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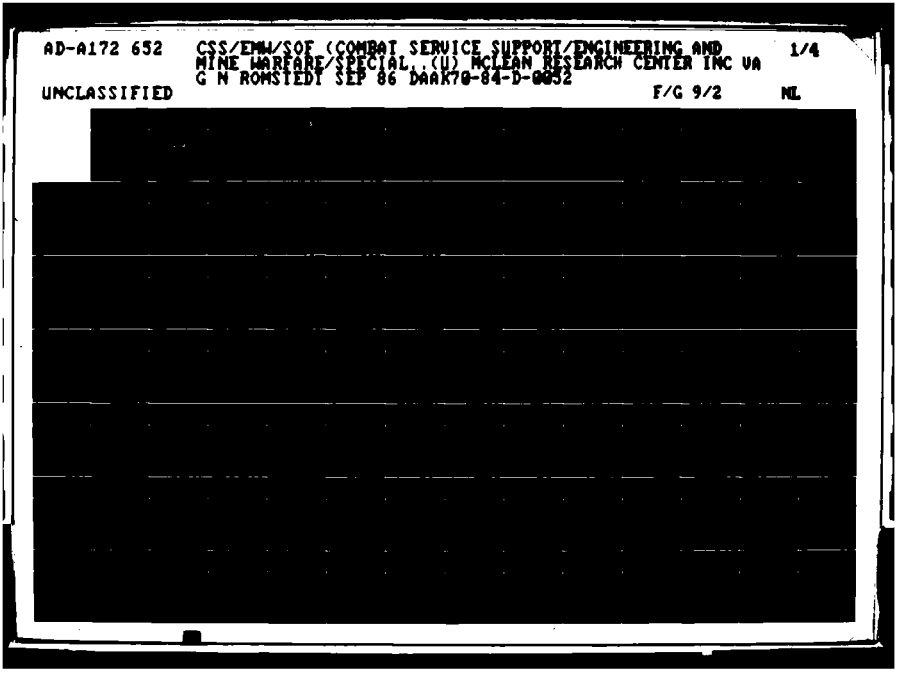

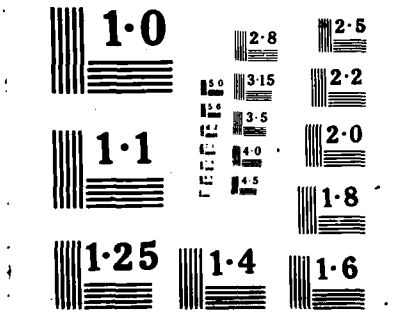
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CSS/EMW/SOF

MISSION AREA MATERIEL PLAN (MAMP)

SOFTWARE

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CSS/EMW/SOF

MISSION AREA MATERIEL PLAN (MAMP)

SOFTWARE

September, 1986

Prepared for

US Army Belvoir Research, Development and Engineering Center
Fort Belvoir, Virginia 22060-5606

by

G. Neil Romstedt

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This report documents the research performed under Contract Number DAAK70-84-D-0052, Task Order 0016. The views, opinions, and/or findings contained in this report are those of the authors and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other documentation.

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This report documents the status of the Combat Service Support (CSS)/Engineering and Mine Warfare (EMW)/Special Operations Forces (SOF) Mission Area Material Plan (MAMP) Software. This software is used for program planning and resource allocation AMC RDT&E initiatives. It also presents an analysis of some of the "system" aspects of the automated MAMP as it is instituted throughout AMC, and of the program prioritization methods used.

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STUDY GIST

Management Science Support for Program/Budget Planning and Prioritization Methodology

Principal Findings

1. The greatest potential for the MAMP is the close cooperation it engenders between the AMC materiel developer and the TRADOC combat developer in establishing goals and recommending programs to DA. In many cases, there has been insufficient communication between these parties. The MAMP provides a formal mechanism and a visible product of that communication which is less demanding that the preparation of requirements documents. As a planning tool, the MAMP excels in visualizing program structure and resource requirements for the future.

2. The MAMP software is still under development. The exact informational requirements of MAMP users have not yet been fully ascertained, much less satisfied. The manager is unlikely to know what the best presentation of information is until he sees a sample report. Thus, the work done at BRDEC can be viewed as the development of prototype reports which can be critiqued, improved, and adopted if they are successful.

3. The data contained in the MAMP database requires a lot of work to assemble and maintain. The quality control functions require a significant degree of knowledgeable high level attention.

Main Assumptions

1. The BRDEC automated MAMP system can be made to be responsive to BRDEC and CSS/EMW/SOF, independently of software changes that may occur in the AMC MAMP. This specialized software will, however, have to conform with standards set by the AMC system.

2. Any specialized new reports, if they prove to be responsive to informational needs, can become prototypes for additions to the AMC system.

Principal Limitations

1. The MAMP software available at BRDEC is generally unavailable elsewhere. This is because of the somewhat technical nature of the computer operating system and the complexity of the software. It will require integration into the AMC MAMP system for non-technical users to receive much benefit.

2. The MAMP program prioritization algorithm is the responsibility of TRADOC. This study analyzed the perceived deficiencies in the current algorithm, but it was felt that the technique could not be unilaterally altered.

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Scope of the Effort

This effort was directed toward improving the automated MAMP system in place at BRDEC and applied to the management of the CSS, EMW, and SOF mission areas.

Objective

The objectives of this effort were to provide management science support to test, analyze, and apply the revised AMC MAMP software; to identify and implement extensions to the MAMP that address BRDEC unique requirements; and to further develop alternative methods to integrate the program prioritization and funding allocation processes.

Basic Approach

(1) Functional and comparative analyses of the original BRDEC and revised AMC MAMP software were performed to identify all substantive differences in their content and performance. The differences were such that it was determined that the BRDEC MAMP would be made to conform structurally with the AMC MAMP.

(2) Extensions to the MAMP software were added so that the MAMP would be applicable to the BRDEC unique requirements that span across several TRADOC Mission Areas.

(3) Other program prioritization techniques, specifically those that integrate the MAMP into the DA LRRDAP process, were reviewed and implemented to assist in the assessment of reprogramming recommendations.

Reason for Performing the Study

To provide the necessary support to the Mission Area Manager for the CSS, EMW, and SOF mission areas, in the continued development and production of the Mission Area Materiel Plan.

Sponsor

US Army Belvoir Research, Development and Engineering Center
Fort Belvoir, Virginia 22060-5606

Principal Investigator

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Comments and Questions

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FOREWORD

This technical report is submitted to the US Army Belvoir Research, Development and Engineering Center, Fort Belvoir, Virginia by the McLean Research Center, Inc. (MRC), 1483 Chain Bridge Road, Suite 205, McLean, Virginia. This report documents the research performed under Contract Number DAAK70-84-D-0052, Task Order 0016 entitled "Management Science Support for Program/ Budget Planning and Prioritization Methodology". The major portion of the research effort is presented in the four appendices which document the status of the CSS/EMW/SOF MAMP software as of August 1986. They are intended for use as a Reference Manual for system operators.

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A. MAMP DATABASE STRUCTURE
B. MISCELLANEOUS PROCEDURES
C. SAMPLE OUTPUTS OF CURRENTLY AVAILABLE MAMP REPORTS
D. SOURCE CODE FOR CURRENTLY AVAILABLE MAMP REPORTS

Section 1

INTRODUCTION

1.1 Background

The automated Mission Area Materiel Plan (MAMP) has been under development since December 1984. As a joint AMC/TRADOC program, the MAMP is intended to relate the materiel development initiatives of AMC to the TRADOC developed Battlefield Development Plan (BDP) deficiencies. The objective of the MAMP is to more closely align ongoing and planned Army RDT&E activities with stated Army requirements. The automated MAMP system supports this objective with responsive and comprehensive reports of RDT&E program plans and through consistent application of prioritization techniques to relate the RDT&E to the BDP.

In June 1985, AMC adopted the initial work performed at BRDEC on the automated Combat Service Support (CSS) MAMP and began the process of transforming it to be applicable to all mission areas. AMC provided the first release of its software to the MAMP community in January 1986. At the same time, the mission area assignments were realigned to be consistent with the TRADOC mission areas (when earlier they were based on the DA mission areas in use by AMC). BRDEC was assigned to represent the CG,TROSCOM in his role as Mission Area Manager of the Combat Service Support (CSS), Engineering and Mine Warfare (EMW), and Special Operations Forces (SOF) mission areas.

1.2 Objectives

The objectives of this effort were to provide management science support to test, analyze, and apply the revised AMC MAMP software; to identify and implement extensions to the MAMP that address BRDEC unique requirements; and to further develop alternative methods to integrate the program prioritization and funding allocation processes.

1.3 Technical Approach

These objectives were accomplished through the following efforts:

(1) Functional and comparative analyses of the original BRDEC and revised AMC MAMP software were performed to identify all substantive differences in their content and performance. In many areas, the AMC MAMP system was an improvement over the original BRDEC database. The differences were such that it was determined that the BRDEC MAMP would be made to conform structurally with the AMC MAMP.

(2) Extensions to the MAMP software were added so that the MAMP would be applicable to the BRDEC unique requirements that span across several TRADOC Mission Areas. This involved revising all existing BRDEC MAMP reports to conform to the AMC database structure, and particularly the AMC MAMP control files. All new MAMP reports generated in this effort were designed to generate output appropriate to BRDEC as well as to the designated TRADOC Mission Areas.

(3) Other program prioritization techniques, specifically those that integrate the MAMP into the DA LRRDAP process, were reviewed and implemented to assist in the assessment of reprogramming recommendations.

1.4 Organization of this Report

This technical report presents a complete synopsis of the work that was performed under this Task Order.

Section 2 describes the functional and comparative analyses that were performed and documented in an Interim Report. In addition, it includes the functional analysis of the MAMP database integration process and the text of the recommendation made to AMC to correct inherent defects in that process.

Section 3 documents the techniques used to implement the BRDEC unique reports and the advanced program prioritization algorithms. Examples of these techniques can be observed in the Appendices.

Section 4 presents the findings and recommendations of this study effort. These are focused on the additional actions necessary to continue the development of the MAMP process and to improve its utility to BRDEC.

Appendix A documents the BRDEC MAMP database structure. It contains several unique data files not included in the AMC database.

Appendix B documents the miscellaneous procedures (UNIX shells and C programs) needed to correctly manage the BRDEC MAMP.

Appendix C presents samples of each of the BRDEC MAMP reports, along with instructions for running those reports.

Appendix D provides a record copy of the source code for each of the ACE reports contained in the BRDEC MAMP system.

Section 2

FUNCTIONAL AND COMPARATIVE ANALYSES

2.1 Background to the MAMP Database Transition

In early 1986, BRDEC received the first release of the AMC generated MAMP system. This effort was a major restructuring of the MAMP system software from its configuration in 1985. It incorporated many of the features of the RDA database system, and of the earlier "mat_plan" database and Informix ACE reports used at BRDEC. It added a menu structured user interface to enable users with less computer knowledge to operate the system and data entry forms to reduce the likelihood of data entry errors.

The new MAMP database posed a challenge to the existing CSS/EMW/SOF MAMP system. First, our database needed to be revised from the "mat_plan" structure to the "mamp" structure imposed by AMC. This would allow the convenient exchange of data among the various MAMP sites. In addition, our existing ACE reports needed to be revised to accommodate the changes to the database structure and data elements.

2.2 Initial Review of the MAMP Database

An initial review of the revised MAMP database led to the MRC Interim Report of May 1, 1986, which is reproduced at Figure 2-1. It reported that the new "mamp" database was an improvement over the old "mat_plan" database, but that the total system design was still not well thought through. In particular, it pointed out that many of the new system features, like the "perform" data entry screens, were particularly difficult to use and would be unsuitable for our requirements. It was also noted that the new "mamp" database structure would not allow for all the existing and contemplated reports for the CSS/EMW/SOF MAMP.

During the preparation of this report, the CSS/EMW/SOF MAMP database was transitioned in its entirety to be compatible with the AMC MAMP software. This meant that all common data elements between the "mamp" and the "mat_plan" databases were brought into conformance with the "mamp" database. Any additional data elements not included in the AMC standard "mamp" database were added to "mamp" as separate files so as not to corrupt the standard file definitions. Subsequently, all existing CSS/EMW/SOF reports were revised to utilize that new structure.

INTERIM REPORT ON THE MAMP DATABASE

Prepared By: Neil Romstedt
McLean Research Corporation
1 May 1986

A. OBJECTIVE

This interim report is provided in accordance with Subtask 1 of Task Order 0016 of DAAK70-84-D-0052. It documents the preliminary findings of this contractor in the use of and transition to the AMC revised mamp database and software.

B. DATABASE DIFFERENCES

The mamp database is not significantly different from the mat_plan database. Both contain approximately the same data about systems, workpackages, and deficiencies. The major difference between the two is the organization of funding data for workpackages, tasks, and projects. While mat_plan uses a single record to include the funding stream over the eight year horizon of the planning data, the mamp uses individual records for each of the years in which funding data is provided. The mamp technique reflects the database structure used in the RDA budget database, from which the data is derived. This technique has advantages and disadvantages. The primary advantage is that if funding for any particular year is blank, then the record does not have to be entered in the database. In the mat_plan database, the field is reserved and set to 0.0 if no data is entered. The primary disadvantage is that multiple records must be used for any one workpackage, task, or project. Each record has overhead in terms of the repeated information needed to identify and link the record to the other associated data. In general terms, if the overhead can be kept small, then it is usually preferred to have separate records. However, the complexity of the data in the MAMP dictates that there be a large quantity of overhead data.

For example, to correctly link a specific funded, unfunded, and guidance quantity for a workpackage for one year, the mamp database requires the workpackage command, category, subcategory, pe, project, task, workpackage number, and year. These data total 50 bytes per record (out of about 80 total bytes). In addition, the index overhead of about 35 bytes per record must be included. If four years of data were entered, then the four records would consume a total of about 460 bytes. If the data were organized as a single record of eight years, then the overhead would be 44 data bytes per record (out of about 290 bytes total) and the index overhead would be about 20 bytes, for a total of 310 bytes. Some of this disparity could be eliminated through better database design practices to eliminate unnecessary overhead data, and this action should certainly be taken. The potential future expansion to an Extended Planning Annex (EPA) forecast of an additional 8 years (16 years total) of RDT&E funding could clearly alter the balance in the favor of individual records, so this issue should be carefully considered.

In addition, the organization of the data into individual years presents some intriguing and challenging problems to the casual ACE report writer. The level of complexity of the report writing problem multiplies by the number

Figure 2-1. Interim Report on the MAMP Database

of individual data records which must be handled. Without clever programmers and thorough training, the reports quickly become so complex and the files produced so large that the user is deterred by energy and time from using the database to solve his unique problems.

Both the mamp and mat_plan databases suffer from being not well thought out and designed. The mamp database deserves our attention since it is the database that AMC has designated and will use. There are several design improvements that could be suggested at this point, but since a thorough redesign is appropriate no recommendation is made at this point. Some issues to consider in the redesign are:

(1) What is sufficient and unique to identify a workpackage? Does the identity chain include command, category, subcategory, pe, project, task, and workpackage number? Or is the command, category, and workpackage number sufficient? I believe that the command, pe, project, task, and workpackage number are enough, and that the category and subcategory of any particular project should be maintained in the project file.

(2) What does the acquisition code have to do with the linking of systems to deficiencies and why is it in the ssndef file?

(3) Why is the priority of a particular pdip contained in the lrrdp file? This allows careless data entry clerks to put different priorities in for the same pdip/increment. The pdip priority, along with any other vital data about the pdip that may be required should be in a pdip file.

(4) Workpackage contribution values to systems that they are linked to need to be included in the wkpsys file. This change is critical, and has already been done (unilaterally) for our mamp database.

(5) The project index field in the project control file needs to be switched to allow duplicate entries for any one project. This will allow one project to be used against different mission areas, commands, or flags. Currently the schema will allow only one entry for any one project. This same problem is present in the workpackage control file. Both have been changed (unilaterally) for our mamp database.

(6) The system title should be in the ssn file and not the lrrdp file since it is the same for each pdip/increment that a system may be linked to. This change will make the ssn file, not the lrrdp file the key file entry point for systems.

(7) Why can't the workpackage funding data and the workpackage statement data be combined into a single file? Both use exactly the same structure for identifying the relevant workpackage and year concerned. Combining them will eliminate half the overhead of the two files. This might conflict with a decision to merge the funding data into a single record.

(8) What purpose is the workpackage control file that is not served by the project control file?

(9) The workpackage description file could be merged into the wkpkg file. This would create a long workpackage record but would cut the overhead by half.

Figure 2-1. Interim Report on the MAMP Database (Continued)

(10) The classification identification procedures that we use in the mamp are not very thorough. It is difficult to tell, except for the text descriptions, what of the data presented in any of our reports is SECRET or CONFIDENTIAL. The data fields used in the data base to tell us the classification of the data are ambiguous as to which data is to be marked. We need to rethink this process and set some specific standards that we will follow.

C. PERFORM SCREENS

The concept of using perform screens to simplify the operator interface for data entry and application is well understood. In general, the average computer user cannot be trusted to correctly type in data and is usually not well enough versed in a computer's operating system to execute programs without simple and straightforward instructions. The perform screen is intended to provide a common user interface, which with some brief training will allow the data entry clerk and the database administrator alike to access and use the database. This cannot completely correct for erroneous data but using a systematic system like the perform screens can catch a significant fraction of the mistakes that might and probably would occur if the data were entered directly into the database (using enter2).

The perform screens exact a performance degradation on data entry. In well designed screens this penalty will be negligible. However, in the screens provided by AMC, the penalty is terrible. It takes about four times as long to enter data using the perform screens as compared to enter2. Then as an extra little kicker, to exit the perform screens and correctly update the data base, the AMC software forces the user to execute some hidden processes that check to see that all the software defined codes are correct. This process takes about 30 minutes and completely ties up the user's terminal. Furthermore, it also completely ties up the database so that other users cannot gain access to the database to enter their own data. From our experience, the use of the existing perform screens is a huge waste of time. Although it may be appropriate for an occasional user, it is not appropriate for the massive data entry and short-fuzed reporting requirements that the MAM faces.

The perform screens should be used with caution until they can be fixed. This fix should be prepared along with the database redesign discussed earlier.

D. AMC PROVIDED REPORTS

The AMC provided reports are a reasonable, but incomplete, clones of the reports that were being used at Belvoir in the summer of 1985. Since that time the Belvoir reports have changed significantly in content and quantity. The AMC System Summary, Deficiency Summary, and Commodity Summary are adequate but slightly confusing. The use of the control codes and control names to access the desired systems, deficiencies, and commands is not well documented and not intuitive. We were initially unable to reliably get reports out of the AMC system - probably because we did not understand it. The AMC software appeared to produce unpredictable results, like not producing a System Summary for all systems owned by Belvoir when the report is asked for using the menu structure. Obviously, either the wrong questions were asked or the wrong answers provided. This will become very frustratirg for other users who have no recourse to run their own reports.

The AMC reports are a little faster than our own. I would guess about

Figure 2-1. Interim Report on the MAMP Database (Continued)

20 percent faster. But these reports also tie up a user's terminal so that no other work can be done while the reports are being run. Typically the user will select output to the printer, since most people need printed reports, but if the printer breaks down during the print job (a frequent occurence here) then the user is forced to rerun the whole report. The AMC reports appear to have no capability to set the starting page for any one report. Thus, we could not get the reports automatically page sequenced for our MAMP volumes.

Fortunately, we do not have to rely on the performance of those reports. Our own ACE reports are completely within our control to modify and use. We should continue to use and develop them as our needs change. We should offer those reports to ALMSA and other MAMs for their consideration.

E. CHANGEOVER TO THE MAMP DATABASE

The changeover in data from the mat_plan to the mamp database has been completed. The process of moving the data took approximately 16 hours, but much work in scrubbing the data that is there remains. In moving the mat_plan data, some of it was corrupted by the AMC provided integrated database. This problem is discussed in detail in paragraph F below.

The changeover in reports to the mamp database is proceeding more slowly. I have moved 8 old reports and created 5 new ones in the last week. There is still lots more to do in this regard. The changeover requires preparing some temporary database files, going through the programs and changing the variable names, adding the control code as well as the control name, and rechecking all the linking between files to ensure that it is being done properly. I estimate that the reports will all be transferred within the next three weeks. The priority will be given to the reports that constitute the MAMP document.

F. DATA FLOW AND TRANSFER

The data flow process for the integrated MAMP is not well thought through. There is the significant likelihood that there will be circular data flow, so that bad data propogates throughout the system and that errors cannot be reliably corrected. This will occur if the AMC data integration process can not distinguish between scrubbed data from a MAMP or RDA site and data that was not checked by a MAMP or RDA site because it was not relevant to that data manager. Thus, our data errors will be picked up by all other MAMs, and returned to us at some later date in the circular flow, after we have hopefully found and corrected those errors in our own database.

One solution to this problem that we can implement at Belvoir is to maintain a physically separate "integrated" database on our Plexus. There will be room for this when the mat_plan is retired to tape. Then, we will read the AMC tapes into this other database, and carefully control the transfer of data from the integrated database into our mamp database. All of our corrections and data submissions will come from our mamp database to ensure that we are not contributing to the circular data flow.

This approach will also allow us to remove from our mamp database any data that is obviously not appropriate to our mission. If we can get rid of the data that we do not use, then our reports will run faster and our submissions to AMC will not include some other MAMs bad data.

We should also carefully consider the impact of unilateral database changes

Figure 2-1. Interim Report on the MAMP Database (Continued)

on our capability to feed the AMC data submissions. At this point, the two changes we have made will require some special attention in preparing the tape. These changes were critical so they were made, but the decision to make additional changes will magnify the compatibility problems we will likely face.

G. NEW INFORMIX RELEASES

Relational Database Systems has released several new products with the Informix system. The basic Informix package now includes SQL, their version of the IBM structured query language. They have an advanced report writer called 4GL for 4th generation language that they sell as an option.

Another intriguing option is the optional C programming tools package that they sell (Informix-ESQL). These tools consist of a subroutine library that any C program can call to access the database and index files. It appears that any competent programmer can directly access the Informix database from a C program to produce reports (or whatever) without having to write special drivers or use the proprietary ones developed by IITRI.

G. CONCLUSIONS

We are now using the AMC mamp database as best we can. The process of moving our established reports is underway. Uninterrupted attention is required to ensure the success of this venture between now and June.

Figure 2-1. Interim Report on the MAMP Database (Continued)

2.3 Subsequent Modifications

Since its initial release, the AMC MAMP system has undergone four revisions. Each revision has added new database fields and/or files, new or modified reports, and appropriate menu entries and data entry forms to support its enhanced capabilities. To its great credit, the AMC installation instructions have been very thorough and the system has worked exactly as advertised with each revision.

The installation of each revision takes approximately four to eight hours of computer time. The installation process consists of reading in the new release tape, positioning the files in the appropriate directories, and running the installation shell programs. These shell programs automatically update the old database files to their new structure, create new files, add any default data values, revise the menus and perform screens, and recompile and relink the C programs that support the system. During this period the computer is unavailable for other MAMP work. In addition, the changes to the database structure must be carefully examined to determine their impact on the CSS/EMW/SOF MAMP reports. Whatever changes are present must be completely integrated into our database to keep it in conformance with the AMC structure and yet still allow the running of our own reports. This transition imposes an additional workload of approximately four to ten days, depending upon the extent of the required changes to the ACE reports.

2.4 Database Integration Process

One of the goals of the MAMP system is the convenient and rapid exchange of data among the MAMP sites and AMC. An "integrated" database is envisioned where data entered in at one site is available to all users. Because there are many different sites, and they use physically separate computers which are not electrically interconnected, the data used at each site is actually quite distinct. Periodically, the data must be collected and joined together into a single, larger database. This process is initiated with a data tape submission from each MAMP and RDA site to AMC. AMC then consolidates the data and returns the integrated database to the MAMP sites to replace the earlier data. Then, at least until the data is changed by the Mission Area Managers, the MAMP sites will all be using the same data.

The problem of circular data flow that is inherent with this technique was described in the Interim Report. In fact, for the integrated database that was distributed in June 1986, approximately one month of productive effort was lost to the CSS/EMW/SOF system because the integrated database required extensive review and corrective action to restore it to its original status. Bad data that was introduced into the MAMP database during the integration process had corrupted the scrubbed data in the CSS/EMW/SOF system. This bad data could only be identified through close examination and comparison with reports produced under the pre-integration database.

This bad experience led to the BRDEC proposal in July that AMC adopt a more controlled procedure for the database integration process. The text of the proposal, with a detailed procedure that might be followed, is presented at Figure 2-2. This proposal was immediately adopted by AMC, and implemented in August throughout the MAMP system. Its actual effectiveness at correcting the circular data flow problem will be determined at the next data submission.

PROPOSAL FOR MAMP DATABASE INTEGRATION

A. OBJECTIVE

The objective of this paper is to propose a procedure which will greatly speed the process of MAMP database integration and provide the greatest assurance possible that the integrated database will contain only quality data.

B. BACKGROUND

One of the problems yet to be faced by the MAMP process is establishing a structured data flow. Responsibilities for data, its accuracy and its completeness have not been assigned to anyone. At present, we appear to be operating on the principle that more data is better, regardless of where it comes from. On the face of it, this principle is flawed. The database should contain only quality data that has been scrubbed and approved by a responsible authority. Otherwise, we are wasting our time in a "garbage in - garbage out" paper production effort.

Each MAM administrator spends most of his time, and most of his staff's time, paying attention to the details of the data he uses for his MAMP. The database is constantly being updated as new information is developed, systems and programs are built, deficiencies and contribution values are assigned, and data presently in the database are scrubbed.

The MAMP database integration, as it occurred in March-April and May-June, aggravates the problem of data quality. In March, we all sent in data tapes to AMC containing the best data we had at that time. Some of that data was incomplete and inaccurate. In April, we received the consolidated data with everyone's best data as of March. Naturally, we continued to focus on and improve the data pertinent to our own MAMPs and we ignored the data that was not pertinent. In May, we sent in another data tape to AMC for integration.
In June, we got back the integrated database but it included all the bad data that we had just spent the last two months cleaning out of our database!

The reason for this is that just as the CSS/EMW/SOF MAM administrator spent no time trying to clean up the FS MAMP data (or anyone else's for that matter), so the FS MAM administrator spent no time on CSS/EMW/SOF data. The result of the integration process is to perpetuate bad data throughout the system. Instead of being identified and eliminated, the bad data looks just like good data and so is redistributed to all MAM sites. This chaotic situation has to be stopped at the time of database integration. The next AMC data call is planned for 21 July and we must be prepared to implement a revised procedure immediately.

Two procedures are proposed to ensure only the best data is integrated into the AMC database. First, only scrubbed data should be sent to AMC by each MAM site. If the MAM administrator is not responsible for that data, then he should not send it in. Second, AMC should not accept data for which the MAM administrator is not responsible and should establish automated means

Figure 2-2. Proposal for MAMP Database Integration

to identify and reject that data.

C. CONTROL FILES

The correct mechanism for establishing what data the MAM administrator is responsible for is through the control files. Control files are maintained in the MAMP database for Deficiencies (defctl), Systems (ssnctl), Projects (prjctl), and Workpackages (wkpctl). The control files allow the MAMP software to automatically select the specific data out of the database that is pertinent to any one MAMP.

The control file structure is a bit difficult to grasp at first, but it makes sense when you understand that it can be used for a wide variety of control functions and that the same structure is consistently applied in all of the control files.

The control files use the field "code" (dcl_code, scl_code, pcl_code, and wcl_code) to denote whether the record refers to a TRADOC Mission Area, a DA Mission Area, an MSC, or a Flag. Thus, in the same file, a single system could be designated as being included in a TRADOC mission area (EMW), a DA mission area (CSS), a command (BELVOIR), and a flag (LOG R&D) MAMP. This gives the database the flexibility to be used for other purposes than just the current TRADOC Mission Areas of interest today. If a MAM site cares to have multiple MAMPs in a single database then the control files provide a way to keep them straight. At the moment, our concern and responsibility is only for the TRADOC Mission Areas that have been assigned. They are all designated by using the code = 1.

The control file field "name" (dcl_name, scl_name, pcl_name, and wcl_name) are used to separate out the Mission Areas, Commands, or Flags, depending upon the value of the "code" field. So at Belvoir, we use "CSS", "EMW", and "SOF" in the "name" field. The field has been set to twelve (12) characters wide to accommodate the maximum size of a command name (should the code = 3), although all the TRADOC Mission Areas are two or three characters wide.

So, if the FS MAM administrator is using data in the database, then his deficiencies, systems, projects, and workpackages are identified by corresponding records in the control files with code = 1 and name = "FS". This is the same criteria that should also be used to automatically select out the data that should be sent to AMC in a data call.

D. SPECIFIC FILES TO SEND AND PROPOSED PROCEDURES

The following paragraphs will discuss each file that should be sent, and the criteria that should be used to select the specific records to send.

The Informix command "Informer" should be used to select these records. The UNIX/Informix commands to do this are shown for each file. To get started type:

```
cd              (to get you to the home directory)
cd data         (or wherever you want the output files)
rm -i *         (to get rid of all the old .uld files)
informer mamp
```

Figure 2-2. Proposal for MAMP Database Integration (Continued)

I have used the CSS mission area to illustrate the process. Just substitute your own mission area name in for CSS wherever it is shown.

1. SSNCTL: The System Control File. Systems are selected in conjunction with the combat and materiel developer, appropriate for the mission area.

```
unload ascii ssnctl where scl_code = 1 and scl_name = "CSS"
to "ssnctl.uld";
```

2. DEFCTL: The Deficiency Control File. Deficiencies are assigned to MAMs.

```
unload ascii defctl where dcl_code = 1 and dcl_name = "CSS"
to "defctl.uld";
```

3. PRJCTL: The Project Control File. Projects are assigned to MAMs.

```
unload ascii prjctl where pcl_code = 1 and pcl_name = "CSS"
to "prjctl.uld";
```

4. WKPCTL: The Workpackage Control File. This file is optional. It is used to identify specific workpackages in a mission area when the entire project cannot be identified using the project control file. This would occur if the project were shared among two mission areas.

```
unload ascii wkpctl where wcl_code = 1 and wcl_name = "CSS"
to "wkpctl.uld";
```

5. DEF: The Deficiency Description File. The assigned deficiency manager should be responsible for any updates and corrections to the deficiency data.

```
unload ascii def where dcl_code = 1 and dcl_name = "CSS"
joining def_def = dcl_def to "def.uld";
```

6. SSNDEF: The System to Deficiency Linkage File. The assigned deficiency manager should be responsible for all entries against his deficiencies. The system manager can nominate linkages to deficiencies, and enter unrated linkages into the integrated database, but must coordinate with the deficiency manager to have a contribution value assigned and entered into the database.

```
     (find linkage for all mission area deficiencies)
read into a ssndef where dcl_code = 1 and dcl_name = "CSS"
joining ssndef_def = dcl_def;

     (find linkage for all mission area systems)
read into b ssndef where scl_code = 1 and scl_name = "CSS"
joining ssndef_ssn = scl_ssn;

     (find MA systems linked to non-MA deficiencies)
```

Figure 2-2. Proposal for MAMP Database Integration (Continued)

```
assign c = b minus a;

     (blank out the contribution values for these linkages)
read into d c.ssndef_ssn c.ssndef_def cv=" " c.ssndef_acq_code;

     (add together the two linkages of interest and unload)
assign e = a union d;
unload ascii e to "ssndef.uld";
```

7. LRRDP: The System to PDIP Linkage File and Procurement Funding Stream. The system manager will enter in new records into the lrrdp file for all systems assigned NSIs and for systems with SSNs that were forgotten in the DA LRRDAP. The funding data for these additional entries will be all zeros. AMC will ensure that the latest LRRDAP funding data and PDIP alignments and priorities are reflected in the integrated data base.

```
unload ascii lrrdp where scl_code = 1 and scl_name = "CSS"
joining lrrdp_ssn = scl_ssn to "lrrdp.uld";
```

8. SSN: The System Description File. The system manager will enter in and correct system description data.

```
unload ascii ssn where scl_code = 1 and scl_name = "CSS"
joining ssn_ssn = scl_ssn to "ssn.uld";
```

9. WKPKG: The Workpackage Definition File. The workpackage manager will enter in or revise the workpackage to PDIP linkage into this file. Workpackages are identified by belonging to controlled projects and/or by being controlled workpackages themselves.

```
     (find all workpackages that are part of controlled projects)
read into a wkpkg where pcl_code = 1 and pcl_name = "CSS"
joining wkpkg_proj_idx = pcl_idx;

     (find all workpackages that are individually controlled)
read into b wkpkg where wkp_code = 1 and wkp_name = "CSS"
joining wkpkg_no_idx = wcl_idx;

     (join the workpackages together and unload)
assign c = a union b;
unload ascii c to "wkpkg.uld";
```

10. WKPSYS: The Workpackage to System Linkage File. The MAM will enter in or revise the linkages and include criticality factors as needed. The system manager will be the sole authority to assign the criticality factors. The project/workpackage manager will nominate linkages for review by the system manager. Note that this file should completely replace the mamp file in the RDA database.

```
     (find linkages for all mission area systems)
read into a wkpsys where scl_code = 1 and scl_name = "CSS"
joining wkpsys_ssn = scl_ssn;
```

Figure 2-2. Proposal for MAMP Database Integration (Continued)

```
     (find linkages for all mission area workpackages)
read into b wkpsys
joining wkpsys_wkpkg_idx = c.wkpkg_wkpsys_idx;      (using c above)

     (find all MA workpackages linked to non-MA systems)
assign d = b minus a;

     (blank out the criticality factors for these linkages)
read into e d.wkpsys_idx cf=0;

     (join together the two files of interest and unload)
assign f = a union e;
unload ascii f to "wkpsys.uld";
```

E. CONTROL REQUIREMENTS FOR INTEGRATION

AMC should take care to ensure that the principles applied here are followed throughout the integration process. Particular emphasis should be given to the responsibilities for data input from each participant, so that a MAM administrator will contribute only the data for which he is responsible. Even so, AMCs automated database integration mechanisms should not accept data that does not conform to these principles:

1. Deficiency related data comes from the deficiency manager only.

2. System related data comes from the system manager only.

3. RDTE related data comes from the MSC through the RDA database only.

4. Other workpackage data comes from the RDTE project manager only.

There are bound to be conflicts in the data records, even after conforming to these principles. Conflicts in linkage files should be resolved in favor of the deficiency manager and then the system manager. Conflicts in system files should be resolved in favor of the designated TRADOC proponent for that system (as indicated in the ssn_tradoc_pro field).

F. FUTURE CONSIDERATIONS

AMC should give some consideration to the eventual need for a PDIP control file, since PDIPs are assigned to TRADOC proponents and the direction of our future efforts will be more closely aligned with the PDIP structuring process.

Figure 2-2. Proposal for MAMP Database Integration (Continued)

Section 3

EXTENSIONS TO THE CSS/EMW/SOF MAMP

3.1 General

The work required by this Task Order directed the evolving MAMP toward addressing three new areas. First, the existing MAMP reports were modified and the database structures established to allow their application to BRDEC management tasks. Second, the MAMP program prioritization techniques were incorporated into a series of new reports which show the critical fiscal reprogramming decisions which might be made, and what their likely impact would be on the executability of RDT&E programs. Finally, these efforts culminated in a second new series of reports, which depict the consequence of DA LRRDAP priority decisions and which institute the MAMP prioritization of RDT&E programs into the PDIP submission process.

3.2 BRDEC MAMP Reports

In keeping with the revised MAMP database structure, it is now possible to designate command names as the control file filters. The significance of this is that every MAMP report can be produced for BRDEC with no additional programming required. What is needed is an up-to-date and complete list of all systems, projects, workpackages, and deficiencies of interest to BRDEC. This list must be maintained within the database, just as are similar lists for the CSS, EMW, and SOF mission areas. Preliminary BRDEC control file lists were generated in June and these have sufficed without modification to date. However, this data should be reviewed and updated if necessary to ensure that the correct MAMP data is being represented as pertinent to BRDEC.

3.3 MAMP Program Prioritization Technique

3.3.1 The Existing Prioritization Technique

The methodology employed to rank order systems and workpackages in the MAMP has been directed by TRADOC. It computes a score for a system based on the Battlefield Development Plan (BDP) deficiencies it supports and its assigned contribution value to the solution of each of those deficiencies. While the linkage between systems and deficiencies may be proposed by the AMC materiel developer, the contribution values are assigned by the TRADOC mission area representatives. Values from A to E (and X) are assigned. The TRADOC representative is instructed to use no more than one A rating for each deficiency. A geometric progression is used to translate the letter value into a numerical score, as follows:

Letter	Weight
A	16 points
B	8
C	4
D	2
E	1
X	0

The deficiencies themselves are also weighted according to their numerical sequence. This is in keeping with the TRADOC rationale for placing the BDP deficiencies in numerical order. BDP deficiency number 1 is more important than deficiency number 2, and so on. The mathematical representation which describes the relative value of the deficiency is:

Deficiency Value = (500 - Deficiency Number) / 500

This places the deficiency value in the range between 1.0 and 0.0 (so long as the deficiency numbers do not exceed 500). Other formulations have been proposed which have provided a greater relative value to lower deficiency numbers, but these have been shown to have only a marginal impact on the system rank ordering results obtained in actual test samples.

A system score is computed as the product of the deficiency value times the contribution weighting, summed over all deficiencies it supports:

System Score = E Contribution Weight x Deficiency Value

The higher the system score, the more important it is to the solution of the Army's BDP deficiencies.

Workpackage scores are computed in a similar fashion, building on the computed system scores. Each workpackage is rated as to its significance to the fielding of a system. The AMC materiel developer assigns this criticality factor, a number 1 through 5, with the limitation that a workpackage can be rated a 1 (most critical) against only one system. The weightings associated with each factor are as follows:

Factor	Weight
1	10 points
2	5
3	2.5
4	1.25
5	0

The workpackage score is computed as the product of the system score times the criticality weighting, summed over all systems it supports:

Workpackage Score = E Criticality Weight x System Score

The higher the workpackage score, the more important it is to the development of systems which solve BDP deficiencies.

3.3.2 Criticism of the Existing Prioritization System

The above technique for rank ordering systems and workpackages has received a lot of valid criticism. In general terms, this criticism focuses on the following aspects:

(1) The BDP itself is insufficient. It has an inherently short range of view of Army needs and is thus inappropriate for application to all tech base activities. It focuses entirely on the tactical battlefield at Corps level and below, and thus entirely ignores the Army's significant activities in the theater communications zone, in the Continental United States, and in strategic defense. The deficiencies themselves are rank ordered in a quasi-political process which raises doubts as to the objective value of the ranking or its suitability for long term RDT&E planning.

(2) The computation technique is flawed. Some other scheme should be used to translate the deficiency numbers, contribution values, and criticality factors into a quantitative measure of the virtue of a system or workpackage. In particular, the existing technique gives too much value to systems which support multiple deficiencies and to workpackages which support multiple systems, with too small regard for the importance of that support.

(3) The assignment of contribution values and criticality factors is flawed. The control process for assigning these values and factors is too easily circumvented, and thus the system and workpackage scores can be easily manipulated to the detriment of competing programs.

(4) The resolution of this technique is inadequate. A prioritization scheme based on the BDP, because of its limited scope, is inherently unable to make fine distinctions between competing programs. It is only suitable for coarse comparisons of program value. A knowledgeable manager must review the results and apply his expert judgement to adjust the computed rank ordering. It is difficult to imagine any scheme based on reasonable and economically obtained data that will supplant this managerial function.

3.3.3 Potential for Enhancement

There are numerous improvement efforts which might be undertaken to address these criticisms. In particular, a revised computational technique might be proposed which uses the same input data, yet eliminates some of the bias of the method toward systems which support multiple deficiencies and workpackages which support multiple systems. Any revised technique would have to be demonstrated to TRADOC and be approved by them for use in the MAMP system.

Attempting to make the methodology more comprehensive is probably unworkable. The BRDEC experience with the "goal programming" method illustrates the actual difficulty in obtaining objective data for use in the method, and the (un)satisfying realization that after all the systematic analysis is performed, human managerial judgement cannot be dispensed with.

Instead, the role of the knowledgeable manager could be reinforced by having the MAMP system provide a ready source of data in a consistent format. This will not be an easy task, because no small amount of data can adequately represent the virtue or complexity of a program effort. The current BRDEC briefing presentation format for programs (FOE matrix, executability charts, milestone charts) is an appropriate method for illustrating and initiating the discussion of substantive matters. Specialized MAMP reports should be tailored to match these standard formats and to provide backup materials should more detailed discussions be required. The existing reports which illustrate the impact of key fiscal reprogramming actions can be enhanced and employed as a decision aid.

3.4 MAMP Relationship to the LRRDAP

The relationship of the MAMP to the DA Long Range Research Development and Acquisition Plan (LRRDAP) has not yet been formalized. But, the MAMP has been directed to proceed in the direction of supporting the LRRDAP process. Much of the recent innovative work in the MAMP has focused on developing and evaluating usable tools for this effort. This effort is not yet complete. The reports which have been developed need additional definition and refinement to ensure that they are responsive and accurate.

The responsibility for submitting materiel development input to the LRRDAP rest with TRADOC. In preparation of Program Development Increment Packages (PDIPs), TRADOC consults with AMC to establish the RDT&E schedule and resource requirements for the materiel development initiative. The process of preparing requirements documents independently and continuously parallels this effort to ensure that the materiel development programs are responsive to Army needs. In what has been an annual submission to DA, TRADOC develops new PDIPs, revises existing PDIPs if necessary, and establishes its recommendation for the relative priorities for these PDIPs.

DA considers all PDIPs submitted, along with its funding guidance from DoD, and applies its own judgement in the rank ordering of the PDIPs. These are published as the DA LRRDAP. Based on the rank order, a particular PDIP is placed in a funding category (e.g., 'at risk', 'unfunded', 'high priority') to describe its likelihood of actually being funded. The whole of this process is well beyond the limited scope of this report. It is extremely complex, with many external factors that can significantly alter the PDIP structures and priority recommendations submitted by TRADOC.

The key fact is that the MAMP can contribute substantially to the development of PDIPs by providing the detailed information concerning RDT&E programs. As an AMC planning document, the MAMP shows the program schedules and resource requirements as AMC sees them. It forces close AMC coordination with the TRADOC representatives who are charged with preparing the PDIPs. Since it uses the TRADOC prioritization algorithms to rank order the RDT&E efforts, it can be used to predict in advance the relative ranking that TRADOC will assign. In a series of new specialized reports, the MAMP data can be presented in PDIP format, thus relieving the TRADOC action officers of much of the collation and assembly work entailed in preparing the PDIPs.

Other MAMP current reports also depict the consequences of DA PDIP priority decisions. By comparing the DA priorities with the results obtained using the TRADOC algorithm, inconsistencies in the DA funded RDT&E program can be easily spotted. These inconsistencies could be visible in non-executable development programs, or in insufficient funding for programs that address high priority Army needs. The appropriate Mission Area Manager or Commander can use this knowledge to assist him in making reprogramming recommendations, and to visualize the consequences of reprogramming actions.

Section 4

CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

(1) The usefulness of the current MAMP database to the needs of BRDEC is somewhat limited. The database does not currently contain a complete and accurate list of the systems, projects, workpackages, and deficiencies of interest to the command. A preliminary list has been compiled but not validated. "Belvoir control files" need to be maintained, just as are the three mission area control files. This maintenance is not automatic, but requires careful attention and managerial judgement. Without these control files, BRDEC will get relatively little out of the MAMP system in the way of validated and comprehensive reports.

(2) Rigorous procedures need to be instituted across all MAMP sites to ensure that only good data is retained within the system. The actions of AMC in adopting BRDEC's recommendation concerning this issue is laudable, and initial procedures were established promptly. This is indicative of the rapid advance in the level of sophistication and detail of the AMC MAMP software.

(3) Better hands-on operator training in the use of the AMC MAMP software is required before that software will be widely accepted. The existing documentation is inadequate, and since the system software is changing so fast the documentation is unlikely to catch up any time soon. The training should also stress the ability of the MAMP sites to develop their own unique reports to support their unique requirements.

(4) The data contained in the MAMP database requires a lot of work to assemble and maintain. The quality control functions require a significant degree of knowledgeable high level attention. The MAMP system does not invent the data. Instead, human beings type the data into one of the many computers in the system. As a result, the data in the database may not always be correct but it does accurately reflect what was entered into it.

(5) The entire MAMP system (database and reports) structure needs to be rethought from the perspective of the final objectives. The MAMP objectives are to support the development of a LRRDAP responsive to the stated needs of the Army and to rationally allocate available resources to high priority programs. To this end, the PDIP related database structure needs to be stronger, to include PDIP control files, so that tighter fiscal accountability within mission areas can be maintained.

(6) The MAMP prioritization methodology might require additional attention. It is uncertain whether a more detailed and comprehensive methodology would yield any better results. The goal programming model provides a nice contrast to the MAMP technique, and proves that intricate approaches to prioritization have many drawbacks. No matter what technique is employed, AMC decision makers will retain their prerogative to override any computer algorithm to ensure that critical Army programs are continued. Although there are some fundamentally different prioritization schemes that

might be considered more "fair", it is TRADOC's decision as to which methodology to use in the MAMP. BRDEC can explore and recommend alternatives as it sees fit.

(7) The greatest potential for the MAMP is the close cooperation it engenders between the AMC materiel developer and the TRADOC combat developer in establishing goals and recommending programs to DA. In many cases, there has been insufficient communication between these parties. The MAMP provides a formal mechanism and a visible product of that communication which is less demanding than the preparation of requirements documents. As a planning tool, the MAMP excels in visualizing program structure and resource requirements for the future.

(8) The MAMP can also be used to augment the decision making process for allocating and reprogramming committed RDT&E resources. It can recommend actions that are responsive to the BDP, and it can illustrate the consequences of decisions in terms of program executability and fiscal balance.

4.2 Recommendations

(1) BRDEC should establish a specific responsibility for ensuring that the BRDEC interests in the MAMP database are appropriately represented. This should include the specification and maintenance of "Belvoir Control Files" and supervisory quality control functions for BRDEC data.

(2) BRDEC should continue to present recommendations for new reports and procedures to be instituted into the AMC MAMP. AMC has shown a willingness to receive such recommendations and to act upon them. In every case they have extended and improved upon the original recommendation. This should include structural changes to the database to make the system more responsive to the PDIP submission process.

(3) Quality control functions for the MAMP database should be dispersed as much as possible. The directorate/program manager providing the data should be reviewing its own submissions. This may be accomplished by using data entry forms and screens, published examples and standards for quality data, and automated quality control audits. The distribution of MAMP data to the originators for use on personal computers should also be explored as a means to have the data scrubbed.

(4) The specification of a 'fair' prioritization algorithm should be left to TRADOC. The MAMP should be able to employ TRADOC internal procedures for establishing program priority. Extensions or deviations from this algorithm which are responsive to the resource allocation decision within AMC should be pursued and used independently.

APPENDIX A

MAMP DATABASE STRUCTURE

This Appendix describes the file structure of the MAMP database. Files are categorized as either "temporary" or "permanent". Permanent files contain original data, while temporary files are periodically rebuilt from the permanent data to assist in the running of the ACE reports. The files have been further classified according to their function:

Permanent:	Data Type Files
	Control Files
	Primary Data Files
	RDA Database Derived Files
	CSS/EMW/SOF MAMP Specific Files
Temporary:	RDA Funding Rollup Files
	Periodically Updated Files
	ACE Report Preprocessing Files

A.1 Permanent Data Files

A.1.1 Data Type Files

These files contain coded information regarding major data categories of interest to the MAMP system. They should not be modified by an individual MAMP site, since it is critical that the codes all represent the same data meainings throughout the MAMP system. The "acq" file defines what the acquisition code numbers mean (e.g., base case, type classified, development, etc.). The "ctl" file defines what the control code numbers mean (e.g., TRADOC Mission Area, DA Mission Area, MSC, or Flag).

```
file acq                                          permission all

field acq_code                  type integer
field acq_type                  type char 30
field acq_stt                   type char 4


data record length      36
number of records       13
number of indexes        1
acq_code            duplicates not allowed
```

```
file ctl                                          permission all

field ctl_code                  type integer
field ctl_type                  type char 20
field ctl_idx                   type composite
      ctl_code, ctl_type


data record length      22
number of records        5
number of indexes        3
ctl_code            duplicates not allowed
ctl_type            duplicates not allowed
ctl_idx             duplicates not allowed
```

A.1.2 Control Files

The control files indicate which data is pertinent to each mission area or command. The control files are used to sift the large MAMP database and extract only that data desired for any particular report. Control files currently exist for deficiencies, projects, systems, and workpackages. Each control file has a similar structure, with a code and name field, to allow a specific item to be controlled in more than one mission area or by more than one command.

```
file defctl                                          permission all

field dcl_code                    type integer
field dcl_name                    type char 12
field dcl_def                     type integer
field dcl_idx                     type composite
      dcl_code, dcl_name, dcl_def


data record length       16
number of records       189
number of indexes         3
dcl_code              duplicates allowed
dcl_def               duplicates allowed
dcl_idx               duplicates not allowed
```

```
file prjctl                                          permission all

field pcl_code                    type integer
field pcl_name                    type char 12
field pcl_cmd                     type char 12
field pcl_cat                     type char 3
field pcl_subcat                  type char 4
field pcl_pe                      type char 5
field pcl_proj                    type char 4
field pcl_idx                     type composite
      pcl_cmd, pcl_cat, pcl_subcat, pcl_pe, pcl_proj


data record length       46
number of records       209
number of indexes         1
pcl_idx               duplicates allowed
```

```
file ssnctl                                          permission all

field scl_code                    type integer
field scl_name                    type char 12
field scl_ssn                     type char 6
field scl_idx                     type composite
      scl_code, scl_name, scl_ssn


data record length       20
number of records       990
number of indexes         3
scl_code              duplicates allowed
scl_ssn               duplicates allowed
scl_idx               duplicates not allowed
```

```
file wkpctl                                          permission all

field wcl_code                    type integer
field wcl_name                    type char 12
field wcl_cmd                     type char 12
field wcl_cat                     type char 3
field wcl_subcat                  type char 4
field wcl_pe                      type char 5
field wcl_proj                    type char 4
field wcl_task                    type char 9
field wcl_wkp                     type char 7
field wcl_idx                     type composite
      wcl_cmd, wcl_cat, wcl_subcat, wcl_pe, wcl_proj, wcl_task, wcl_wkp
field wcl_sys_idx                 type composite
      wcl_code, wcl_name, wcl_cmd, wcl_cat, wcl_pe, wcl_proj, wcl_task, wcl_wkp


data record length       62
number of records      1840
number of indexes         2
wcl_idx               duplicates allowed
wcl_sys_idx           duplicates not allowed
```

A.1.3 Primary Data Files

These files contain the major MAMP user entered data. They generally define the deficiencies and systems in the database, while workpackage related data is generally derived automatically from the RDA database. The MAMP user should confine his data entry to these files (as well as the control files) as much as possible.

```
file assn                                          permission all

field assn_ssn                  type char 6
field assn_assoc_ssn            type char 6
field assn_idx                  type composite
      assn_ssn, assn_assoc_ssn


data record length      12
number of records      470
number of indexes        2
assn_ssn            duplicates allowed
assn_idx            duplicates not allowed
```

```
file def                                           permission all

field def_def                   type integer
field def_da_ma                 type char 3
field def_tradoc_ma             type char 3
field def_type                  type char 16
field def_desc                  type char 600
field def_class                 type char 1


data record length     625
number of records        0
number of indexes        1
def_def             duplicates not allowed
```

```
file lrrdp                                          permission all

field lrrdp_ssn                  type char 6
field lrrdp_title                type char 60
field lrrdp_pdip                 type char 6
field lrrdp_incrpri              type float
field lrrdp_procf1               type long
field lrrdp_procf2               type long
field lrrdp_procf3               type long
field lrrdp_procf4               type long
field lrrdp_procf5               type long
field lrrdp_procf6               type long
field lrrdp_procf7               type long
field lrrdp_procf8               type long
field lrrdp_procf9               type long
field lrrdp_procf10              type long
field lrrdp_procf11              type long
field lrrdp_procf12              type long
field lrrdp_procf13              type long
field lrrdp_procf14              type long
field lrrdp_procf15              type long
field lrrdp_procf16              type long
field lrrdp_sys_idx              type composite
      lrrdp_ssn, lrrdp_pdip

data record length      140
number of records      5169
number of indexes         2
lrrdp_ssn              duplicates allowed
lrrdp_sys_idx          duplicates not allowed


file ssn                                            permission all

field ssn_ssn                    type char 6
field ssn_acq_code               type integer
field ssn_class                  type char 1
field ssn_desc                   type char 600
field ssn_req_doc1               type char 6
field ssn_req_doc2               type char 6
field ssn_req_doc3               type char 6
field ssn_amc_msc                type char 12
field ssn_com_line               type char 10
field ssn_family                 type char 10
field ssn_xfuncarea              type char 10
field ssn_amc_mgr                type char 12
field ssn_tradoc_pro             type char 3
field ssn_tradoc_ma              type char 3
field ssn_da_ma                  type char 3
field ssn_bdp                    type integer
field ssn_real                   type integer
field ssn_no_def                 type integer
field ssn_sys_sum_idx            type composite
      ssn_amc_mgr, ssn_ssn
field ssn_stream_sum_idx         type composite
      ssn_amc_mgr, ssn_acq_code, ssn_ssn
field ssn_com_sum_idx            type composite
      ssn_amc_mgr, ssn_com_line, ssn_ssn

data record length      696
number of records      2186
number of indexes         5
ssn_ssn                duplicates not allowed
ssn_amc_mgr            duplicates allowed
ssn_sys_sum_idx        duplicates not allowed
ssn_stream_sum_idx     duplicates not allowed
ssn_com_sum_idx        duplicates not allowed
```

```
file ssndef                                          permission all

field ssndef_ssn                  type char 6
field ssndef_def                  type integer
field ssndef_cont_value           type char 1
field ssndef_acq_code             type integer
field ssndef_sys_sum_idx          type composite
      ssndef_ssn, ssndef_def
field ssndef_def_sum_idx          type composite
      ssndef_def, ssndef_acq_code, ssndef_cont_value, ssndef_ssn
field ssndef_def_cont_idx         type composite
      ssndef_ssn, ssndef_def, ssndef_cont_value


data record length       11
number of records      2558
number of indexes         5
ssndef_ssn            duplicates allowed
ssndef_def            duplicates allowed
ssndef_sys_sum_idx    duplicates not allowed
ssndef_def_sum_idx    duplicates not allowed
ssndef_def_cont_idx   duplicates not allowed
```

```
file wkpsys                                          permission all

field wkpsys_cmd                  type char 12
field wkpsys_cat                  type char 3
field wkpsys_subcat               type char 4
field wkpsys_pe                   type char 5
field wkpsys_proj                 type char 4
field wkpsys_task                 type char 9
field wkpsys_wkpkg                type char 7
field wkpsys_ssn                  type char 6
field wkpsys_srf                  type integer
field wkpsys_idx                  type composite
      wkpsys_cmd, wkpsys_cat, wkpsys_subcat, wkpsys_pe, wkpsys_proj,
      wkpsys_task, wkpsys_wkpkg, wkpsys_ssn
field wkpsys_wkpkg_idx            type composite
      wkpsys_cmd, wkpsys_cat, wkpsys_subcat, wkpsys_pe, wkpsys_proj,
      wkpsys_task, wkpsys_wkpkg


data record length       52
number of records     10398
number of indexes         4
wkpsys_wkpkg          duplicates allowed
wkpsys_ssn            duplicates allowed
wkpsys_idx            duplicates not allowed
wkpsys_wkpkg_idx      duplicates allowed
```

A.1.4 RDA Database Derived Files

These files are loaded into the MAMP database from the RDA database. This transfer is accomplished periodically by AMC. This implies that the workpackage funding data in the MAMP will always be less than fully current. These files constitute a majority of the bulk of the MAMP database.

```
file actual                                          permission all

field act_cmd                    type char 12
field act_cat                    type char 3
field act_subcat                 type char 4
field act_pe                     type char 5
field act_proj                   type char 4
field act_task                   type char 9
field act_yr                     type integer
field act_text                   type char 600
field act_task_idx               type composite
      act_cmd, act_cat, ac _subcat, act_pe, act_proj, act_task
field a t_idx                    type composite
      act_cmd, act_cat, act_subcat, act_pe, act_proj, act_task, act_yr

data record length      639
number of records      1699
number of indexes         2
act_task_idx          duplicates allowed
act_idx               duplicates not allowed
```

```
file flag                                            permission all

field flag_cmd                   type char 12
field flag_cat                   type char 3
field flag_subcat                type char 4
field flag_pe                    type char 5
field flag_proj                  type char 4
field flag_task                  type char 9
field flag_wkpkg                 type char 7
field flag_name                  type char 5
field flag_yr                    type integer
field flag_fund                  type long
field flag_wkpkg_idx             type composite
      flag_cmd, flag_cat, flag_wkpkg
field flag_idx                   type composite
      flag_cmd, flag_cat, flag_wkpkg, flag_name, f'ag_yr

data record length       55
number of records     11541
number of indexes         2
flag_wkpkg_idx        duplicates allowed
flag_idx              duplicates not allowed
```

```
file plan                                          permission all

field plan_cmd                  type char 12
field plan_cat                  type char 3
field plan_subcat               type char 4
field plan_pe                   type char 5
field plan_proj                 type char 4
field plan_task                 type char 9
field plan_yr                   type integer
field plan_text                 type char 600
field plan_task_idx             type composite
      plan_cmd, plan_cat, plan_subcat, plan_pe, plan_proj, plan_task
field plan_idx                  type composite
      plan_cmd, plan_cat, plan_subcat, plan_pe, plan_proj, plan_task, plan_yr


data record length     639
number of records     6803
number of indexes        2
plan_task_idx         duplicates allowed
plan_idx              duplicates not allowed
```

```
file proj                                          permission all

field proj_cmd                  type char 12
field proj_cat                  type char 3
field proj_subcat               type char 4
field proj_pe                   type char 5
field proj_no                   type char 4
field proj_title                type char 60
field proj_class                type char 4
field proj_declass              type char 12
field proj_damgr                type char 4
field proj_amcmgr               type char 1
field proj_pri                  type integer
field proj_bgt_act              type char 1
field proj_tradoc_ma            type char 3
field proj_da_ma                type char 3
field proj_idx                  type composite
      proj_cmd, proj_cat, proj_subcat, proj_pe, proj_no


data record length     118
number of records      716
number of indexes        4
proj_cmd              duplicates allowed
proj_pe               duplicates allowed
proj_no               duplicates allowed
proj_idx              duplicates not allowed
```

```
file task                                              permission all

field task_cmd                    type char 12
field task_cat                    type char 3
field task_subcat                 type char 4
field task_pe                     type char 5
field task_proj                   type char 4
field task_no                     type char 9
field task_corr_proj              type char 4
field task_corr_task              type char 9
field task_title                  type char 60
field task_shortt                 type char 16
field task_req_doc                type char 5
field task_req_date               type char 4
field task_lab                    type char 12
field task_tradoc_ma              type char 3
field task_da_ma                  type char 3
field task_idx                    type composite
      task_cmd, task_cat, task_subcat, task_pe, task_proj, task_no


data record length      153
number of records      2566
number of indexes         3
task_cmd              duplicates allowed
task_no               duplicates allowed
task_idx              duplicates not allowed
```

```
file wkdesc                                            permission all

field wkd_cmd                     type char 12
field wkd_cat                     type char 3
field wkd_subcat                  type char 4
field wkd_pe                      type char 5
field wkd_proj                    type char 4
field wkd_task                    type char 9
field wkd_wkpkg                   type char 7
field wkd_text                    type char 600
field wkd_idx                     type composite
      wkd_cmd, wkd_cat, wkd_wkpkg


data record length      644
number of records      3723
number of indexes         1
wkd_idx               duplicates not allowed
```

```
file wkpkg                                              permission all

field wkpkg_cmd                    type char 12
field wkpkg_cat                    type char 3
field wkpkg_subcat                 type char 4
field wkpkg_pe                     type char 5
field wkpkg_proj                   type char 4
field wkpkg_task                   type char 9
field wkpkg_no                     type char 7
field wkpkg_pri                    type integer
field wkpkg_amcpri                 type integer
field wkpkg_lab                    type char 12
field wkpkg_title                  type char 60
field wkpkg_shortt                 type char 16
field wkpkg_trans_date             type char 4
field wkpkg_da_ma                  type char 3
field wkpkg_tradoc_ma              type char 3
field wkpkg_systems                type integer
field wkpkg_pdip                   type char 6
field wkpkg_class                  type char 1
field wkpkg_amc_adj                type long
field wkpkg_mam_adj                type long
field wkpkg_score                  type double
field wkpkg_ranking                type long
field wkpkg_proj_idx               type composite
      wkpkg_cmd, wkpkg_cat, wkpkg_subcat, wkpkg_pe, wkpkg_proj
field wkpkg_wkpsys_idx             type composite
      wkpkg_cmd, wkpkg_cat, wkpkg_subcat, wkpkg_pe, wkpkg_proj, wkpkg_task, wkpkg_no
field wkpkg_wkp_sum_idx            type composite
      wkpkg_cmd, wkpkg_pe, wkpkg_proj, wkpkg_task, wkpkg_no
field wkpkg_no_idx                 type composite
      wkpkg_cmd, wkpkg_cat, wkpkg_no


data record length      175
number of records      4334
number of indexes         7
wkpkg_proj            duplicates allowed
wkpkg_no              duplicates allowed
wkpkg_pdip            duplicates allowed
wkpkg_proj_idx        duplicates allowed
wkpkg_wkpsys_idx      duplicates not allowed
wkpkg_wkp_sum_idx     duplicates not allowed
wkpkg_no_idx          duplicates not allowed
```

```
file wkpkgfund                                          permission all

field wkpf_cmd                    type char 12
field wkpf_cat                    type char 3
field wkpf_subcat                 type char 4
field wkpf_pe                     type char 5
field wkpf_proj                   type char 4
field wkpf_task                   type char 9
field wkpf_wkpkg                  type char 7
field wkpf_yr                     type integer
field wkpf_guid                   type long
field wkpf_fund                   type long
field wkpf_unfund                 type long
field wkpf_wkpkg_idx              type composite
      wkpf_cmd, wkpf_cat, wkpf_wkpkg
field wkpf_idx                    type composite
      wkpf_cmd, wkpf_cat, wkpf_wkpkg, wkpf_yr


data record length       58
number of records     15736
number of indexes         2
wkpf_wkpkg_idx        duplicates allowed
wkpf_idx              duplicates not allowed
```

```
file wkstmt                                             permission all

field wks_cmd                     type char 12
field wks_cat                     type char 3
field wks_subcat                  type char 4
field wks_pe                      type char 5
field wks_proj                    type char 4
field wks_task                    type char 9
field wks_wkpkg                   type char 7
field wks_yr                      type integer
field wks_text                    type char 600
field wks_wkpkg_idx               type composite
      wks_cmd, wks_cat, wks_wkpkg
field wks_idx                     type composite
      wks_cmd, wks_cat, wks_wkpkg, wks_yr


data record length      646
number of records     10045
number of indexes         2
wks_wkpkg_idx         duplicates allowed
wks_idx               duplicates not allowed
```

A.1.5 CSS/EMW/SOF MAMP Specific Files

These permanent files have been created at BRDEC to specifically support the submissions of the CSS/EMW/SOF MAMPs. They are not present at other MAMP sites. In the case of the "com" and "lrrdppri" files, the data contained in them may be absorbed into the AMC system (in which case the data will need to be transferred and the ACE reports revised). The other files deal with the shifting of deficiency numbers from BDP 85 to BDP 86, and the effect of potential realignment of LRRDAP priorities in POM 89. They will quickly become outdated.

```
file com                                              permission all

field com_com_line                 type char 10
field com_acq_strat                type char 600


data record length      614
number of records        15
number of indexes         1
com_com_line          duplicates allowed
```

```
file defx                                             permission all

field defx_85                      type integer
field defx_86                      type integer
field defx_idx                     type composite
      defx_86, defx_85

data record length        4
number of records       356
number of indexes         3
defx_85                duplicates allowed
defx_86                duplicates allowed
defx_idx               duplicates not allowed
```

```
file lrrdppri                                         permission all

field lrrdppri_pdip                type char 6
field lrrdppri_pri                 type float
field lrrdppri_title               type char 20
field lrrdppri_tradoc_pro          type char 3
field lrrdppri_tradoc_ma           type char 3
field lrrdppri_da_ma               type char 3

data record length       43
number of records       638
number of indexes         1
lrrdppri_pdip          duplicates not allowed
```

```
file pom89                                          permission all

field pom89_pdip                  type char 6
field pom89_title                 type char 20
field pom89_pri                   type float
field pom89_tradoc_pro            type char 3
field pom89_tradoc_ma             type char 3
field pom89_da_ma                 type char 3
field pom89_strat                 type char 600


data record length      643
number of records       627
number of indexes         1
pom89_pdip            duplicates not allowed
```

```
file pom89ssn                                       permission all

field pom89ssn_ssn                type char 6
field pom89ssn_pdip               type char 6
field pom89ssn_pom88              type char 6
field pom89ssn_seq                type float
field pom89ssn_sys_idx            type composite
      pom89ssn_ssn, pom89ssn_pom88


data record length       22
number of records      1264
number of indexes         3
pom89ssn_ssn          duplicates allowed
pom89ssn_pdip         duplicates allowed
pom89ssn_sys_idx      duplicates not allowed
```

A.2 Temporary Data Files

A.2.1 RDA Funding Rollup Files

These files roll up the funding data from the RDA database into consolidated files for easier access by ACE programs. The funding data is normally presented in the RDA and MAMP systems as individual records for each workpackage and year. Thus a workpackage may have as many as eight records to describe its funding stream. When an ACE report conducts a joining operation on that workpackage, for example taking the workpackage description and joining it with its funding data, the ACE system creates a copy of the description for each of the eight funding years. This gets particularly wasteful when performing more complex joins of deficiencies to systems to workpackages to funding years. And naturally, the ACE system bogs down in managing the thousands of copies of duplicate data fields.

These files translate the individual funding records into a single consolidated record for each workpackage with all eight years represented. The flagr file allows for six flags for each workpackage. The shells "wkpfroll" and "flagroll" automatically build these files.

```
file wkpfr                                          permission all

field wkpfr_cmd                  type char 12
field wkpfr_cat                  type char 3
field wkpfr_wkpkg                type char 7
field wkpfr_baseyr               type integer
field wkpfr_g0                   type long
field wkpfr_f0                   type long
field wkpfr_u0                   type long
field wkpfr_g1                   type long
field wkpfr_f1                   type long
field wkpfr_u1                   type long
field wkpfr_g2                   type long
field wkpfr_f2                   type long
field wkpfr_u2                   type long
field wkpfr_g3                   type long
field wkpfr_f3                   type long
field wkpfr_u3                   type long
field wkpfr_g4                   type long
field wkpfr_f4                   type long
field wkpfr_u4                   type long
field wkpfr_g5                   type long
field wkpfr_f5                   type long
field wkpfr_u5                   type long
field wkpfr_g6                   type long
field wkpfr_f6                   type long
field wkpfr_u6                   type long
field wkpfr_g7                   type long
field wkpfr_f7                   type long
field wkpfr_u7                   type long
field wkpfr_wkpkg_idx            type composite
      wkpfr_cmd, wkpfr_cat, wkpfr_wkpkg


data record length      124
number of records      3984
number of indexes         1
wkpfr_wkpkg_idx      duplicates not allowed
```

```
file flagr                                          permission all

field flagr_cmd                  type char 12
field flagr_cat                  type char 3
field flagr_wkpkg                type char 7
field flagr_wkpkg_idx            type composite
      flagr_cmd, flagr_cat, flagr_wkpkg
field flagr1_n                   type char 5
field flagr1_0                   type long
field flagr1_1                   type long
field flagr1_2                   type long
field flagr1_3                   type long
field flagr1_4                   type long
field flagr1_5                   type long
field flagr1_6                   type long
field flagr1_7                   type long
field flagr2_n                   type char 5
field flagr2_0                   type long
field flagr2_1                   type long
field flagr2_2                   type long
field flagr2_3                   type long
field flagr2_4                   type long
field flagr2_5                   type long
field flagr2_6                   type long
field flagr2_7                   type long
field flagr3_n                   type char 5
field flagr3_0                   type long
field flagr3_1                   type long
field flagr3_2                   type long
field flagr3_3                   type long
field flagr3_4                   type long
field flagr3_5                   type long
field flagr3_6                   type long
field flagr3_7                   type long
field flagr4_n                   type char 5
field flagr4_0                   type long
field flagr4_1                   type long
field flagr4_2                   type long
field flagr4_3                   type long
field flagr4_4                   type long
field flagr4_5                   type long
field flagr4_6                   type long
field flagr4_7                   type long
field flagr5_n                   type char 5
field flagr5_0                   type long
field flagr5_1                   type long
field flagr5_2                   type long
field flagr5_3                   type long
field flagr5_4                   type long
field flagr5_5                   type long
field flagr5_6                   type long
field flagr5_7                   type long
field flagr6_n                   type char 5
field flagr6_0                   type long
field flagr6_1                   type long
field flagr6_2                   type long
field flagr6_3                   type long
field flagr6_4                   type long
field flagr6_5                   type long
field flagr6_6                   type long
field flagr6_7                   type long

data record length      244
number of records       651
number of indexes         1
flagr_wkpkg_idx      duplicates not allowed
```

A.2.2 Periodically Updated Temporary Files

These temporary files need to be updated frequently to ensure that the latest changes in the primary and control permanent files are reflected in the MAMP reports. The shell "priority" automatically updates these files. It takes approximately 45 minutes to run.

```
file assr                                          permission all

field assr_ssn                  type char 6
field assr_ssn1                 type char 6
field assr_ssn2                 type char 6
field assr_ssn3                 type char 6
field assr_ssn4                 type char 6
field assr_ssn5                 type char 6
field assr_ssn6                 type char 6
field assr_ssn7                 type char 6
field assr_ssn8                 type char 6
field assr_ssn9                 type char 6
field assr_ssn10                type char 6
field assr_ssn11                type char 6
field assr_ssn12                type char 6
field assr_ssn13                type char 6
field assr_ssn14                type char 6
field assr_ssn15                type char 6


data record length      100
number of records       279
number of indexes         1
assr_ssn              duplicates not allowed
```

```
file hipri                                         permission all

field hipri_ssn                 type char 6
field hipri_pdip                type char 6
field hipri_pri                 type float
field hipri_ok                  type integer
field hipri_title               type char 60
field hipri_sys_idx             type composite
      hipri_ssn, hipri_pdip


data record length       78
number of records       702
number of indexes         3
hipri_ssn             duplicates not allowed
hipri_pdip            duplicates allowed
hipri_sys_idx         duplicates not allowed
```

```
file prior1                                          permission all

field prior1_ssn_no                 type char 6
field prior1_ndef                   type integer
field prior1_na                     type integer
field prior1_nb                     type integer
field prior1_nc                     type integer
field prior1_nd                     type integer
field prior1_ne                     type integer
field prior1_nx                     type integer
field prior1_bl                     type integer
field prior1_score                  type float

data record length       30
number of records       656
number of indexes         1
prior1_ssn_no        duplicates not allowed
```

```
file prior2                                          permission all

field prior2_cmd                    type char 12
field prior2_cat                    type char 3
field prior2_wkpkg                  type char 7
field prior2_wkpkg_idx              type composite
      prior2_cmd, prior2_cat, prior2_wkpkg
field prior2_nsys                   type integer
field prior2_hisys                  type float
field prior2_losys                  type float
field prior2_score                  type float


data record length       40
number of records      1053
number of indexes         2
prior2_cmd           duplicates allowed
prior2_wkpkg_idx     duplicates not allowed
```

```
file unissn                                          permission all

field unissn_ssn                    type char 6

data record length        6
number of records       702
number of indexes         1
unissn_ssn           duplicates not allowed
```

```
file ssndroll                                        permission all

field ssnd_ssn                  type char 6
field ssnd_def1                 type integer
field ssnd_con1                 type char 1
field ssnd_def2                 type integer
field ssnd_con2                 type char 1
field ssnd_def3                 type integer
field ssnd_con3                 type char 1
field ssnd_def4                 type integer
field ssnd_con4                 type char 1
field ssnd_def5                 type integer
field ssnd_con5                 type char 1
field ssnd_def6                 type integer
field ssnd_con6                 type char 1
field ssnd_def7                 type integer
field ssnd_con7                 type char 1
field ssnd_def8                 type integer
field ssnd_con8                 type char 1
field ssnd_ndef                 type integer


data record length      36
number of records      656
number of indexes        1
ssnd_ssn             duplicates not allowed
```

```
file uniwkp                                          permission all

field uniwkp_cmd                type char 12
field uniwkp_cat                type char 3
field uniwkp_subcat             type char 4
field uniwkp_pe                 type char 5
field uniwkp_proj               type char 4
field uniwkp_task               type char 9
field uniwkp_wkpkg              type char 7
field uniwkp_ssn                type char 6
field uniwkp_srf                type integer
field uniwkp_pdip               type char 6
field uniwkp_pom89              type char 6
field uniwkp_seq                type float
field uniwkp_sys_idx            type composite
      uniwkp_ssn, uniwkp_pdip
field uniwkp_wkpkg_idx          type composite
      uniwkp_cmd, uniwkp_cat, uniwkp_subcat, uniwkp_pe, uniwkp_proj,
      uniwkp_task, uniwkp_wkpkg


data record length      68
number of records      778
number of indexes        5
uniwkp_ssn           duplicates allowed
uniwkp_pdip          duplicates allowed
uniwkp_pom89         duplicates allowed
uniwkp_sys_idx       duplicates allowed
uniwkp_wkpkg_idx     duplicates not allowed
```

A.2.3 ACE Report Processing Files

These temporary files are used in the creation of the more complex ACE reports. They contain intermediate data that is used in the preparation of specific reports and is otherwise meaningless. The file fundpro has the deficiency, commodity, or system funding data (separated by year, tech base or development category, and funded/unfunded quantities). The file idxpg contains the page numbers for each ssn discovered in the "sysdollars.out" file by the C program "readidx".

```
file fundpro                                        permission all

field fp_defic                  type integer
field fp_commodity              type char 10
field fp_ssn                    type char 6
field f0_tb                     type long
field f1_tb                     type long
field f2_tb                     type long
field f3_tb                     type long
field f4_tb                     type long
field f5_tb                     type long
field f6_tb                     type long
field f7_tb                     type long
field u0_tb                     type long
field u1_tb                     type long
field u2_tb                     type long
field u3_tb                     type long
field u4_tb                     type long
field u5_tb                     type long
field u6_tb                     type long
field u7_tb                     type long
field f0_dev                    type long
field f1_dev                    type long
field f2_dev                    type long
field f3_dev                    type long
field f4_dev                    type long
field f5_dev                    type long
field f6_dev                    type long
field f7_dev                    type long
field u0_dev                    type long
field u1_dev                    type long
field u2_dev                    type long
field u3_dev                    type long
field u4_dev                    type long
field u5_dev                    type long
field u6_dev                    type long
field u7_dev                    type long

data record length      150
number of records         6
number of indexes         3
fp_defic              duplicates allowed
fp_commodity          duplicates allowed
fp_ssn                duplicates allowed


file idxpg                                          permission all

field idxpg_ssn                 type char 6
field idxpg_no                  type integer

data record length       12
number of records       405
number of indexes         1
idxpg_ssn             duplicates allowed
```

APPENDIX B

MISCELLANEOUS PROCEDURES

B.1 Shell Programs for Temporary File Reconstitution

The shell programs "priority", "wkpfroll", and "flagroll" automatically update the temporary files with the current MAMP system data. "Wkpfroll" and "flagroll" only need to be executed once for each update of the RDA derived permanent files, specifically the workpackage funding data file and the flag data file. "Priority" should be run more frequently, after major changes to the permanent files and before running production MAMP reports.

"Priority" updates seven of the temporary files. It received its name because at first it only created the system and workpackage BDP rating files (prior1 and prior2). Since then, it has been expanded to include the unique controlled ssn file (unissn), the highest priority PDIP file (hipri), the system to deficiency linkage rollup file (ssndroll), the associated ssn rollup file (assr), and the unique workpackage to system linkage file (uniwkp). "Priority" is a convenient and easy way to ensure that the temporary files have been rebuilt and do reflect the current data in the MAMP system.

```
cd /u/review2/db
echo "see priority.log for a log of this procedure"

dbstatus mamp <<%      >priority.log
erase file prior1
y
erase file prior2
y
erase file unissn
y
erase file hipri
y
erase file ssndroll
y
erase file assr
y
erase file uniwkp
y
bye
%

mv /u/review2/schema/prior1.k .
mv /u/review2/schema/prior2.k .
mv /u/review2/schema/unissn.k .
mv /u/review2/schema/hipri.k .
mv /u/review2/schema/ssndroll.k .
mv /u/review2/schema/assr.k .
mv /u/review2/schema/uniwkp.k .
dbbuild prior1.k      >> priority.log
dbbuild prior2.k      >> priority.log
dbbuild unissn.k      >> priority.log
dbbuild hipri.k       >> priority.log
dbbuild ssndroll.k    >> priority.log
dbbuild assr.k        >> priority.log
dbbuild uniwkp.k      >> priority.log
mv prior1.k /u/review2/schema
mv prior2.k /u/review2/schema
mv unissn.k /u/review2/schema
mv hipri.k /u/review2/schema
mv ssndroll.k /u/review2/schema
mv assr.k /u/review2/schema
mv uniwkp.k /u/review2/schema

echo "building the unissn file"
informer mamp <<%      >> priority.log
  read into a unique scl_ssn;
  add noprompt unissn unissn_ssn = a.scl_ssn;
  bye
%

echo "building the prior1 file"
acego ../neil/prior1    >> priority.log
dbstatus mamp <<%       >> priority.log
  load ascii prior1 from "prior1.out"
  bye
%
```

```
echo "building the prior2 file"
acego ../neil/prior2    >> priority.log
dbstatus mamp <<%       >> priority.log
  load ascii prior2 from "prior2.out"
  bye
%

echo "building the hipri file"
acego ../neil/hipri     >> priority.log
dbstatus mamp <<%       >> priority.log
  load ascii hipri from "hipri.out"
  bye
%

echo "building the ssndroll file"
acego ../neil/ssndroll >> priority.log
dbstatus mamp <<%       >> priority.log
  load ascii ssndroll from "ssndroll.out"
  bye
%

echo "building the assr file"
acego ../neil/joinassr >> priority.log
dbstatus mamp <<%       >> priority.log
  load ascii assr from "joinassr.out"
  bye
%

echo "building the uniwkp file"
acego ../neil/tsw       >> priority.log
dbstatus mamp <<%       >> priority.log
  load ascii uniwkp from "tsw.out"
  bye
%

/bin/rm joinassr.out
/bin/rm ssndroll.out
/bin/rm prior1.out
/bin/rm prior2.out
/bin/rm hipri.out
/bin/rm tsw.out
echo "all done with priority shell"
```

```
Aug  7 11:19 1986  flagroll Page 1


cd /u/review2/db

dbstatus mamp <<%            > flagroll.log
erase file flagr
y
bye
%

mv ../schema/flagr.k .
dbbuild flagr.k              >> flagroll.log
mv flagr.k ../schema

acego ../neil/xferflag 1986 >> flagroll.log

dbstatus mamp <<%            >> flagroll.log
load ascii flagr from "flagr.out"
bye
%

/bin/rm flagr.out
```

```
Aug  7 11:19 1986  wkpfroll Page 1


cd /u/review2/db

dbstatus mamp <<%             > wkpfr.out
erase file wkpfr
y
bye
%

mv ../schema/wkpfr.k .
dbbuild wkpfr.k               >> wkpfr.out
mv wkpfr.k ../schema

acego ../neil/wkpfroll 1986   >> wkpfr.out

dbstatus mamp <<%             >> wkpfr.out
load ascii wkpfr from "wkpfr.out"
bye
%

/bin/rm wkpfr.out
```

B.2 Shell Programs for Complex Report Execution

Several of the MAMP reports are multi-stage reports because of their inherent complexity and the limitations of the ACE programming system to accept the very large intermediate files they might create as single-stage reports. The multi-stage report first executes a subordinate ACE report, generating some intermediate values of interest. Then, these values are automatically read into a temporary file which is used by a second ACE report. This second report produces the final output that becomes the printed document.

The Deficiency Summary (defroll), Deficiency Funding Profile (defpro), and the Commodity Funding Profile (compro) are the three reports with this complex multi-stage execution. The shells defroll, defpro, and defroll, in the "../shell" directory, are used to execute these reports. Each of them creates a temporary data set which is loaded into the file "fundpro", and then the main ACE report is run. The calling sequence for these shells is:

expr [first pg#] | ../shell/defroll [pg letter] [code] [name]

expr [first pg#] | ../shell/defpro [pg letter] [code] [name]

expr [first pg#] | ../shell/compro [pg letter] [code] [name] [commodity]

The explanation for these calling sequences is contained in the introduction to Appendix C.

```
Aug  7 10:24 1986  defroll Page 1


cd /u/review2/db

dbstatus mamp <<%
erase file fundpro
y
bye
%

mv ../schema/fundpro.k .
dbbuild fundpro.k
mv fundpro.k ../schema

acego ../neil/syspro1 ${2} ${3}

dbstatus mamp <<%
load ascii fundpro from "syspro1.out"
bye
%

/bin/rm syspro1.out

acego ../neil/defroll ${1} ${2} ${3}
```

```
Aug  7 10:44 1986  defpro Page 1


cd /u/review2/db

dbstatus mamp <<%
erase file fundpro
y
bye
%

mv ../schema/fundpro.k .
dbbuild fundpro.k
mv fundpro.k ../schema

acego ../neil/defpro1 ${2} ${3}

dbstatus mamp <<%
load ascii fundpro from "defpro1.out"
bye
%

/bin/rm defpro1.out

acego ../neil/defpro2 ${1} ${2} ${3}
```

```
Aug  7 10:37 1986  compro Page 1


cd /u/review2/db

dbstatus mamp <<%
erase file fundpro
y
bye
%

mv ../schema/fundpro.k .
dbbuild fundpro.k
mv fundpro.k ../schema

acego ../neil/compro1 ${2} ${3} "${4}"

dbstatus mamp <<%
load ascii fundpro from "compro1.out"
bye
%

/bin/rm compro1.out

acego ../neil/compro2 ${1} ${2} ${3} "${4}"
```

B.3 Shell Programs for MAMP Production

Shell programs are also used for the rapid and convenient execution of the MAMP production runs. During the MAMP production period, many reports are prepared. Usually this tedious sequence of reports for one mission area is the same for all mission areas. Attention must be paid to the report's page numberings since they might depend on the length of previous reports. In addition, sometimes the execution of the many reports takes a long time and must be performed overnight. The shells described in this paragraph take away the drudgery of producing the MAMP reports by automatically stepping through the correct sequence of operating system calls needed to prepare the MAMP.

The following shell programs, found in the "../shell" directory, illustrate the use of shells to produce the MAMP. These are tailored for each mission area, and can be expected to change with each MAMP production run as the specific reports desired will change.

"Deficiency.css" produces the deficiency volume of the CSS MAMP. It creates the Deficiency Index, the Commodity Index, the Project Index, the Deficiency Summary, the Commodity Summary, the Project Summary, the PDIP to System Cross Reference, the BDP System Rankings, the BDP Workpackage Rankings, the LRRDAP Development System Priorities, the LRRDAP Workpackage Priorities, and the LRRDAP Procurement System Priorities. Each report is correctly paginated and controlled for printing. At the conclusion of the shell, the reports are moved to the "../output/cssreports" directory for storage. To verify the performance of the ACE reports, the file "defic.log" is available in the "../db" directory, which provides the ACE report output.

The simpler "system.css" and "wkpkg.css" similarly produce the system and workpackage volumes of the CSS MAMP. Again the reports are placed in the "../output/cssreports" directory, and the log files are created to verify the performance of the reports.

```
echo "SEE DEFIC.LOG FOR A LOG OF THIS PROCEDURE"
cd /u/review2/db

expr 1 | acego ../neil/defindex a 1 CSS N > defic.log
echo "FILE DEFINDEX1.OUT IS READY TO PRINT"
expr 1 | acego ../neil/comindex b 1 CSS N >> defic.log
echo "FILE COMINDEX1.OUT IS READY TO PRINT"
expr 1 | acego ../neil/projindex c 1 CSS >> defic.log
echo "FILE PROJINDEX.OUT IS READY TO PRINT"

expr 1 | ../shell/defroll Z 1 CSS >> defic.log
echo "FILE DEFROLL.OUT IS READY TO PRINT"

tail -10c defroll.out | podd | acego ../neil/commod Z 1 CSS >> defic.log
echo "FILE COMMOD.OUT IS READY TO PRINT"

tail -10c commod.out | podd | acego ../neil/projwkp Z 1 CSS >> defic.log
echo "FILE PROJWKP.OUT IS READY TO PRINT"

expr 1 | acego ../neil/pdipsys A 1 CSS >> defic.log
echo "FILE PDIPSYS.OUT IS READY TO PRINT"
expr 1 | acego ../neil/priorsys B 1 CSS >> defic.log
echo "FILE PRIORSYS.OUT IS READY TO PRINT"
expr 1 | acego ../neil/priorwp C 1 CSS >> defic.log
echo "FILE PRIORWP.OUT IS READY TO PRINT"
expr 1 | acego ../neil/lrrdpsys D 1 CSS C >> defic.log
echo "FILE LRRDPSYS.OUT IS READY TO PRINT"
expr 1 | acego ../neil/lrrdpwp E 1 CSS C >> defic.log
echo "FILE LRRDPWP.OUT IS READY TO PRINT"
expr 1 | acego ../neil/procpri F 1 CSS C >> defic.log
echo "FILE PROCPRI.OUT IS READY TO PRINT"

mv defindex.out ../output/cssreports
mv comindex.out ../output/cssreports
mv projindex.out ../output/cssreports
mv defroll.out ../output/cssreports
mv commod.out ../output/cssreports
mv projwkp.out ../output/cssreports
mv pdipsys.out ../output/cssreports
mv priorsys.out ../output/cssreports
mv priorwp.out ../output/cssreports
mv lrrdpsys.out ../output/cssreports
mv lrrdpwp.out ../output/cssreports
mv procpri.out ../output/cssreports
mv defic.log ../output/cssreports
echo "all done with deficiency volume"
```

```
Aug  7 10:55 1986  system.css Page 1


cd /u/review2/db

expr 1 | acego ../neil/sysres Z 1 CSS "*" > system.log
echo "FILE SYSRES.OUT IS READY TO PRINT"

tail -10c sysres.out | podd | acego ../neil/sysdollars Z 1 CSS "*" >> system.log
echo "FILE SYSDOLLARS.OUT IS READY TO PRINT"

pidx < sysdollars.out > pidx.out
informer mamp <<%    >> system.log
delete noprompt idxpg;
bye
%
dbstatus mamp <<%    >> system.log
load ascii idxpg from "pidx.out"
bye
%
/bin/rm pidx.out

expr 1 | acego ../neil/sysindex a 1 CSS  >> system.log
echo "FILE SYSINDEX.OUT IS READY TO PRINT"
expr 1 | acego ../neil/sysindex1 b 1 CSS  >> system.log
echo "FILE SYSINDEX1.OUT IS READY TO PRINT"

mv sysindex.out ../output/cssreports
mv sysindex1.out ../output/cssreports
mv sysres.out ../output/cssreports
mv sysdollars.out ../output/cssreports
mv system.log ../output/cssreports
echo "all done with system volume"



Jun 13 17:04 1986  wkpkg.css Page 1


cd /u/review2/db

expr 1 | acego ../neil/wrkapdx Z 1 CSS "*" > wkpkg.log
echo "FILE WRKAPDX.OUT IS READY TO PRINT"

expr 1 | acego ../neil/wkpindex a 1 CSS "*" >> wkpkg.log
echo "FILE WKPINDEX.OUT IS READY TO PRINT"

mv wkpindex.out ../output/cssreports
mv wrkapdx.out ../output/cssreports
mv wkpkg.log ../output/cssreports
echo "all done with workpackage volume"
```

B.4 Shell Programs for Mass Actions to the Data Files

Occasionally, the user will need to make some mass changes to the database. These changes typically revolve around the deletion of an NSI or the change of an NSI to an SSN. Because the SSN is present in many different files, it can be extremely tedious to make all these changes and it is quite likely that one or more of the changes will not be made.

The shell programs presented below are used to rapidly change data records from one SSN to another, to delete all records with a particular SSN, or to print all data pertinent to a particular SSN. The correct calling sequence for these programs, found in the "../shell" directory, is:

updatessn [old ssn] [new ssn]

deletessn [ssn]

printssn [ssn]

Note that updatessn may have trouble in replacing the old ssn with the new ssn if corresponding records already exist for the new ssn. Then, the duplicate index value might cause Informix to not perform that update completely. The user might want to execute printssn for the new ssn first to see what data might already be present for the new ssn.

```
Aug  7 11:02 1986  updatessn Page 1


informer manp <<%

  update noprompt assn assn_ssn = "${2}" where assn_ssn = "${1}";
  update noprompt assn assn_assoc_ssn = "${2}" where assn_assoc_ssn = "${1}";
  update noprompt lrrdp lrrdp_ssn = "${2}" where lrrdp_ssn = "${1}";
  update noprompt ssn ssn_ssn = "${2}" where ssn_ssn = "${1}";
  update noprompt ssnctl scl_ssn = "${2}" where scl_ssn = "${1}";
  update noprompt ssndef ssndef_ssn = "${2}" where ssndef_ssn = "${1}";
  update noprompt wkpsys wkpsys_ssn = "${2}" where wkpsys_ssn = "${1}";

  update noprompt hipri hipri_ssn = "${2}" where hipri_ssn = "${1}";
  update noprompt assr assr_ssn = "${2}" where assr_ssn = "${1}";
  update noprompt ssndroll ssnd_ssn = "${2}" where ssnd_ssn = "${1}";
  update noprompt priori priori_ssn_no = "${2}" where priori_ssn_no = "${1}";
  update noprompt unissn unissn_ssn = "${2}" where unissn_ssn = "${1}";
  update noprompt pom89ssn pom89ssn_ssn = "${2}" where pom89ssn_ssn = "${1}";
  update noprompt uniwkp uniwkp_ssn = "${2}" where uniwkp_ssn = "${1}";
  update noprompt idxpg idxpg_ssn = "${2}" where idxpg_ssn = "${1}";

bye
%
```

Aug 7 11:03 1986 deletessn Page 1

```
informer mamp <<%

  delete noprompt assn where assn_ssn = "${1}";
  delete noprompt assn where assn_assoc_ssn = "${1}";
  delete noprompt lrrdp where lrrdp_ssn = "${1}";
  delete noprompt ssn where ssn_ssn = "${1}";
  delete noprompt ssnctl where scl_ssn = "${1}";
  delete noprompt ssndef where ssndef_ssn = "${1}";
  delete noprompt wkpsys where wkpsys_ssn = "${1}";

  delete noprompt hipri where hipri_ssn = "${1}";
  delete noprompt assr where assr_ssn = "${1}";
  delete noprompt ssndroll where ssnd_ssn = "${1}";
  delete noprompt prior1 where prior1_ssn_no = "${1}";
  delete noprompt unissn where unissn_ssn = "${1}";
  delete noprompt pom89ssn where pom89ssn_ssn = "${1}";
  delete noprompt uniwkp where uniwkp_ssn = "${1}";
  delete noprompt idxpg where idxpg_ssn = "${1}";

bye
%
```

Aug 7 11:14 1986 printssn Page 1

```
informer -q mamp <<%   > sysdata.out

  print assn where assn_ssn = "${1}";
  print assn where assn_assoc_ssn = "${1}";
  print lrrdp where lrrdp_ssn = "${1}";
  print ssn where ssn_ssn = "${1}";
  print ssnctl where scl_ssn = "${1}";
  print ssndef where ssndef_ssn = "${1}";
  print wkpsys where wkpsys_ssn = "${1}";

  print hipri where hipri_ssn = "${1}";
  print assr where assr_ssn = "${1}";
  print ssndroll where ssnd_ssn = "${1}";
  print prior1 where prior1_ssn_no = "${1}";
  print unissn where unissn_ssn = "${1}";
  print pom89ssn where pom89ssn_ssn = "${1}";
  print uniwkp where uniwkp_ssn = "${1}";
  print idxpg where idxpg_ssn = "${1}";

bye
%
echo "system data is at sysdata.out"
```

B.5 Utility Programs

The following programs, written in the C language, are useful in managing the correct pagination of the MAMP volumes. Examples of the usage of these programs can be seen in the MAMP production shells described in B.3 above.

(1) Pageread.c (compiled to "pnext")

This program gets a number from input, increments it, and writes it to output. It is used to identify the correct first page number for a printed report. Its usage would be:

```
tail -10c oldreport.out | pnext | acego newreport
```

(2) Pageodd.c (compiled to "podd")

This program is similar to pnext, except that it finds the next odd number after the one input and writes that to output. This would be the correct page number if the new report must begin on a facing (odd) page. Its usage would be:

```
tail -10c oldreport.out | podd | acego newreport
```

(3) Readidx.c (compiled to "pidx")

This program reads the ssn and page data off of the file "sysdollars.out" (which must be directed to input), inserts the proper delimiter characters, and writes the pagination data to output. The resulting data is loaded into the temporary database file "idxpg" for use in the two System Index Reports. This saves hours of manual work in searching for the data and entry into the indexes. A sample of the proper usage for this program is found in the shell "system.css", but is reproduced below:

```
pidx < sysdollars.out > pidx.out
informer mamp <<%
delete noprompt idxpg;
bye
%
dbstatus mamp <<%
load ascii idxpg from "pidx.out"
bye
%
```

Jun 13 13:12 1986 pageread.c Page 1

```
main()
{
  int i;
  scanf ("%d",&i);
  printf ("%d\n",i+1);
}
```

Jun 13 13:12 1986 pageodd.c Page 1

```
main()
{
  int i;
  scanf ("%d",&i);
  if (++i%2 == 0) i++;
  printf ("%d\n",i);
}
```

Jun 13 10:37 1986 readidx.c Page 1

```
# include <stdio.h>
main()

 {
  char junk1;
  char junk2[28];
  char ssn[8];
  int  i,j,page;

  j = 1;
  while (j !=0)
   {
    for (i = 1; i <= 6; i++)
     {
      while ((junk1 = getchar()) != '\n' && junk1 != EOF);
      if (junk1 == EOF) j = 0;
     }
    if (j == 1)
     {
      scanf ("%s %s",junk2,ssn);
      for (i = 1; i <= 56; i++)
       {
        while ((junk1 = getchar()) != '\n' && junk1 != EOF);
        if (junk1 == EOF) j = 0;
       }
      if (j == 1)
       {
        for (i = 1; i<=61; i++) junk1 = getchar();
        scanf ("%d",&page);
        printf ("%s:%d:\n",ssn,page);
        for (i = 1; i <= 4; i++)
         {
          while ((junk1 = getchar()) != '\n' && junk1 != EOF);
          if (junk1 == EOF) j = 0;
         }
       }
     }
   }
 }
```

B.6 Perform Screens

Two simple perform screens have been developed to assist data entry personnel in reviewing and updating the permanent MAMP data files. These perform screens are located in the "../db" directory and may be executed by using: "perform system", or "perform wkpsys" from that directory.

These screens are not as thorough or as comprehensive as the AMC provided ones. Instead, they provide only the minimum essential capability to locate, enter, and update the data present on the System Summary Report which has been used as the major format for quality control and data entry.

```
Jul  3 15:50 1986  system.scr Page 1


database manp

screen
{

System : [ssn    ]
Title : [title                                                          ]
PDIP : [pdip   ]      DA Mission Area : [da ]          TRADOC Mission Area : [tdc]
AMCMSC : [amcmsc       ]  AMC Manager : [cmd          ]  TRADOC Proponent : [pro]
Acquisition Type : [acq]   [typ ]          Cross Functional Area : [xfunc      ]
Commodity : [com        ]                  Req Doc : [rd1    ] [rd2    ] [rd3    ]

Description :        Class : [c]
  [d1                                                                          ]
  [d2                                                                          ]
  [d3                                                                          ]
  [d4                                                                          ]
  [d5                                                                          ]
  [d6                                                                          ]
  [d7                                                                          ]
  [d8                                                                          ]

Deficiency : [def ]      Contribution Value : [v]     Associated SSN : [assoc ]
Control Code : [code]    Control Name : [name         ]
}
end

attributes

ssn = ssn_ssn = lrrdp_ssn = ssndef_ssn = assn_ssn = scl_ssn,
      upshift, required, autonext,
      comments = "Enter system SSN or NSI.";
title = lrrdp_title, upshift, autonext;
pdip = lrrdp_pdip, upshift, autonext;
da = ssn_da_ma, upshift, autonext;
tdc = ssn_tradoc_ma, upshift, autonext;
amcmsc = ssn_amc_msc, upshift, autonext,
      include = (AMCHQ, AMCCOM, AVSCOM, CECOM, LABCOM, MICOM, TACOM, TROSCOM, SDC),
      comments = "Choices are: AMCHQ, AMCCOM, AVSCOM, CECOM, LABCOM, MICOM, TACOM, TROSCOM, SDC";
cmd = ssn_amc_mgr, upshift, autonext;
pro = ssn_tradoc_pro, upshift, autonext;
acq = *acq_code = ssn_acq_code, autonext;
typ = acq_stt, autonext;
xfunc = ssn_xfuncarea, upshift, autonext;
com = ssn_com_line, upshift, autonext;
rd1 = ssn_req_doc1, upshift, autonext;
rd2 = ssn_req_doc2, upshift, autonext;
rd3 = ssn_req_doc3, upshift, autonext;

c = ssn_class, upshift, autonext;
d1 = ssn_desc[1,75], upshift, autonext;
d2 = ssn_desc[76,150], upshift, autonext;
d3 = ssn_desc[151,225], upshift, autonext;
d4 = ssn_desc[226,300], upshift, autonext;
d5 = ssn_desc[301,375], upshift, autonext;
d6 = ssn_desc[376,450], upshift, autonext;
```

```
Jul  3 15:30 1986  system.scr Page 2


d7 = ssn_desc[451,525], upshift, autonext;
d8 = ssn_desc[526,600], upshift, autonext;

def = ssndef_def, autonext;
v = ssndef_cont_value, upshift, autonext;
assoc = assn_assoc_ssn, upshift, autonext;
code = scl_code, autonext;
name = scl_name, upshift, autonext;

instructions

ssn master of lrrdp;
ssn master of ssndef;
ssn master of assn;
ssn master of ssnctl;

end




Jul 11 13:56 1986  wkpsys.scr Page 1


database manp

screen
{



Command :  [cmd          ]                                  Category : [cat][scat]
Program Element : [pe    ]      Project : [proj]           Task     : [task     ]
Workpackage : [wkpkg  ]

System : [ssn   ]                          Criticality Factor : [w]

}
end

attributes
cmd = wkpkg_cmd = wkpsys_cmd, required, upshift, autonext;
cat = wkpkg_cat = wkpsys_cat, required, upshift, autonext,
        include = (6.1, 6.2, 6.3);
scat = wkpkg_subcat = wkpsys_subcat, required, upshift, autonext,
        include = (6.1, 6.2, '6.3A', '6.3B', 6.4, 6.5, 6.7);
pe = wkpkg_pe = wkpsys_pe, required, upshift, autonext;
proj = wkpkg_proj = wkpsys_proj, required, upshift, autonext;
task = wkpkg_task = wkpsys_task, required, upshift, autonext;
wkpkg = wkpkg_no = wkpsys_wkpkg, upshift, required, autonext,
        comments = "Enter wkpkg number.";

ssn = wkpsys_ssn, upshift, required, autonext,
      comments = "Enter system SSN or NSI.";
w = wkpsys_srf, upshift, required, autonext,
      comments = "Enter wkpkg's criticality factor.";

instructions
composite join wkpkg_wkpsys_idx = wkpsys_wkpkg_idx;

wkpkg master of wkpsys;

end
```

APPENDIX C

SAMPLE OUTPUTS OF

CURRENTLY AVAILABLE MAMP REPORTS

The CSS/EMW/SOF MAMP system consists of over 50 ACE programs, most of which produce printed and formatted output. This appendix presents sample outputs of each report, along with a brief description of the report content and the correct method for initiating the running of the report.

The parameters used in each report are described on the following table. The user would substitute appropriate data for these parameters, to cause the program to produce the correct output. Reports which require the running of more than one ACE program are separately described in Appendix B, paragraph 2.

A standard procedure has been followed in the use of parameters in these reports. The first parameter is always the starting page number. It is provided as the UNIX standard input to the ACE program by piping it from the standard UNIX function 'expr'. It can also be provided by piping the output from the special C programs 'podd' or 'pnext' (*see Appendix B, paragraph 5*), or if the program is not run in the background then the user can type the number in directly from the keyboard when he is prompted for the starting page number.

The formal parameters for the ACE reports always begin with the sequence '[pg letter] [code] [name]'. The page letter to be used is substituted for the parameter '[pg letter]'. It allows the user to easily specify the page lettering to use (or to omit with a 'Z') that is consistent with the position of this particular report in the MAMP document that is being prepared. The parameters '[code]' and '[name]' are the control file filters that are applied in keeping with the AMC database structure. These would be used to select the MAMP report for data relevant to the CSS or EMW or SOF or BELVOIR mission areas.

The remaining parameters are included to add control and flexibility for each individual report. In most cases they allow the ACE report to be tailored from a lengthly report for the entire mission area to a much smaller report that specifically addresses the data of interest.

EXPLANATIONS OF PARAMETERS USED IN THE ACE REPORTS:

[first pg#] an integer that describes the first page number to be printed on the report. Expr puts the page number into standard input so the report can be run in the background. In the foreground the user will be prompted to enter the page number from the terminal. See also the podd and pnext C programs.

[pg letter] a single character that states the desired page letter to be printed along with the page number. A "Z" will cause the report to omit the page letter altogether.

[code] an integer that references the code field in the mamp control files. 1 = TRADOC Mission Area
2 = DA Mission Area
3 = MSC
4 = Flag

[command] a character string of the command name or "*" to indicate all commands.

[name] a character string that designates the specific name entry for the code that is entered in the mamp control files.

[class] a single character "U" or "C" that switches some reports between an unclassified and a confidential format.

[base yr] an integer that indicates which year is designated by year 0 in the workpackage funding data.

[ssn] a character string that designates a specific ssn or nsi to search on, or "*" to indicate all ssn's.

[commodity] a character string of the commodity name, or "*" to indicate all commodity names. Use "" to contain commodity names with a space.

[pro] a single character "Y" or "N" that switches the deficiency and commodity index reports between single column or double column entries for page numbers. Used if generating profiles.

[proj] a character string that designates a specific RDTE project or an "*" to indicate all projects.

[pdip] a character string to designate a specific pdip/increment or an "*" to indicate all pdips.

basetc

This report produces a streamlined summary of type classified systems. It used to also show base case systems, and can be reinstituted quickly.

expr [first pg#] ¦ acego ../neil/basetc [pg letter] [code] [name] [command]

STREAMLINED SUMMARY OF TYPE CLASSIFIED SYSTEMS FOR EMW

SSN	TITLE/DEFICIENCIES	DA/TDC	MA	PROCUREMENT SCHEDULE 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01
D00700	SEMITRAILER, LOW BED, 40T M870 (C/S)	CSS	/ EMW	**********
	41-D 306-D			
E38801	MINE, AT HVY, M15	CS	/ EMW	<NOT SCHEDULED>
	94-C			
E38900	MINE, AP M16	CS	/ EMW	<NOT SCHEDULED>
	94-C			
E39100	MINE, AP M14	CS	/ EMW	<NOT SCHEDULED>
	94-C			
E39300	MINE, AP, DIRECTIONAL M18A1	CD	/ EMW	----------
	94-C			
E39500	ROCKET, SURFACE LAUNCHED UNIT FUEL AIR EXP-SL	CS	/ EMW	<NOT SCHEDULED>
	29-D 86-D			
E39800	MINE, AT HVY M21	CS	/ EMW	<NOT SCHEDULED>
	94-C			
E39900	MINE, AT M24	CS	/ EMW	<NOT SCHEDULED>
	94-C			
E40400	MINE, AT NM M19	CS	/ EMW	<NOT SCHEDULED>
	94-C			
E40601	GROUND IMP MINE SCAT SYS AP M74(MYP)	CS	/ EMW	**** ----------
	94-C			
E43700	MINE, ANTIPERSONNEL, PRACTICE M68	CSS	/ EMW	**** ----****
	94-C			
E50300	CH DML BLK PENT 2LB M11B	CSS	/ EMW	<NOT SCHEDULED>
	29-C 94-C			
E50700	DEMO KIT BANGALORE TORPEDO	CSS	/ EMW	*-*------*-*-*-*-*-*-
	94-C			
E51000	CHG DEMO BLK TNT 1 LB	CSS	/ EMW	----------
	29-C 94-C			
E51300	CHARGE, DEMO, 40LB, CRATERING	CSS	/ EMW	*-*-*-*-*-*-*-*-*-*-
	94-C			
E52500	CAP, BLASTING, M6 SPC ELEC	CSS	/ EMW	****----*****-*-*-*-*-*-
	94-D			
E52600	CAP,BLASTING SPEC NON-ELECT M7	CSS	/ EMW	---- ----*-*-*-*-*-*-
	94-D			
E53100	CHARGE, DEMO SHAPED M2A4 SERIES 15LB	CSS	/ EMW	----------
	94-C			
E53200	CHARGE DEMO SHAPED 40LB M3	CSS	/ EMW	*-*-*-*-*-*-*-*-*-*-*-*-
	94-C			
E54100	CORD,DETONATING,WTRPRF TYPE 1 CLASS E	CSS	/ EMW	----*-*-*-*-*-*-*-*-*-*-
	94-D			

Legend:
**** - Funded Procurement
---- - Unfunded Procurement

bdpalignmt

This report produces the BDP / LRRDAP alignment report, showing all systems and pdips and projects contributing to a specific bdp deficiency. This is the report that Randy Fowler requested.

expr [first pg#] | acego ../neil/bdpalignmt [pg letter] [code] [name]

LRRDP/BDP 1986 ALIGNMENT FOR CSS

BDP DEFICIENCY. 1986: 13 1985 16

PDIP-INCR	NSI/SSN/PE PROJ	PROGRAM	PROPONENT	CONT VALUE
-	2D0001	FUZE, ARTILLERY MULTI-OPTION XM773	FAS	C
	2D0016	MODULAR CHARGE	FAS	A
	2D0017	UNI-CHARGE	FAS	A
	2D0019	PROPELLANT CHARGE XM-224	FAS	B
	9D0001	AMMUNITION PACKAGING TECHNOLOGY		B
4S6A-01	X00900	65 TON CRANE	MMS	B
	X50000	TRUCK, FORK LIFT, CBD, PT, 4000 LB.	MMS	B
4S6S-01	5L0003	AMMUNITION LOGISTICS	MMS	A
	ARDEC 63640 D543 A1 00306	BATTLEFIELD RESUPPLY		1
	ARDEC 63640 D543 A1 00309	ROBOTIC AMMUNITION RESUPPLY VEHICLE (RARV)		2
	ARDEC 63640 D543 A1 03302	PALLETIZED LOADING SYSTEM (PLS) LOGISTICS DEMO		2
	ARDEC 63640 D543 A1 03303	EXPLOSIVE ORDNANCE DISPOSAL PROOF OF PRINCIPLE		2
	ARDEC 63640 D543 A1 03355	MUNITIONS STORAGE EVALUATION (QUICKLOAD)		2
	ARDEC 63640 D543 A1 033L1	UNIT BASIC LOAD-UPLOAD EQUIPMENT		2
	ARDEC 63640 D543 A1 033L3	UNIVERSAL TANK AMMUNITION PACKAGING (GALS)		2
	ARDEC 63640 D543 A1 033L4	GENERIC LP RESUPPLY VEHICLE		2
	ARDEC 63640 D543 A1 033L5	LOGISTICS C4 SYSTEM DEMONSTRATIONS		3
	ARDEC 63640 D543 A1 033L6	FUTURE HOWITZER AMMUNITION LOGISTICS		2
	ARDEC 63640 D543 A1 033L8	AVIATION RESUPPLY LOGISTICS		2
	ARDEC 63640 D543 A1 033XX	AMMUNITION CONTAINER EVALUATION		2
	ARDEC 63640 D543 A1 033YY	155MM FIELD ARTILLERY AMMUNITION (FAA) TRAILER DEM		2
	ARDEC 63640 D543 A1 93303	EXPLOSIVE ORDNANCE DISPOSAL PROOF OF PRINCIPLE		2
6M7G-01	3T0106	IMPROVED NBC MAINTENANCE TECHNOLOGY	OCS	C
	NATICK 63747 D669 8V D669-8V	POL RESISTANT CHEM PROT TACTILE GLOVE		1
	NATICK 64713 DL40 0Y DL40-0Y	INDIVIDUAL SOLDIER MICROCLIMATE COOLING SYSTEM		1
	NATICK 64713 DL40 1Z DL40-1Z	POL RESISTANT CHEMICAL PROTECTIVE GLOVE		1
6M72-01	3T0120	FAMILY OF CONTAINERS (FLEX)	QMS	C
6M7Y-01	5M2019	AFV - AMMO RESUPPLY (REARM)	ARS	E
6R5B-01	D05700	TRAILER, HEAVY, EXPANDED MOBILITY	TCS	E
6R5B-04	D05700	TRAILER, HEAVY, EXPANDED MOBILITY	TCS	E

bpcss/bpemw

This report produces an unclassified bill payers report of workpackages in reverse order of the BDP sequence number located in bpcss/bpemw in the mamp. The files are separate for each mission area so that the sequence numbers can be kept straight. Cumulative totals are displayed.

expr [first pg#] ! acego ../neil/bpcss [pg letter] [command]

bpcssa/bpemwa

This report produces an unclassified list of workpackages in decision aid format. This is the reverse order of bpcss/bpemw.

expr [first pg#] ! acego ../neil/bpcssa [pg letter] [command]

bpdata

This report produces the temporary file which is read into the mamp database file bpcss or bpemw, depending upon the mission area parameter.

acego ../neil/bpdata [base yr] [code] [name]

CSS N TO 1 BDP WORKPACKAGE BILLPAYERS
WITH CUMULATIVE TOTALS

	PE/PROJ/TASK/WKPKG	TITLE		FUNDED DEVELOPMENT SCHEDULE							
				FY86	FY87	FY88	FY89	FY90	FY91	FY92	FY93
305.	METRO AND CALIBRATION				900	500	600	600	700	2200	
	CECOM	63748 D594 01 315	CUM TOTAL	0	900	500	600	600	700	2200	0
304.	AD FACILITY INTRUSION DETECTION SYSTEM, GRP III (UNFUND							1493			
	PMPSE	64718 DL82 02 6027	CUM TOTAL	0	900	500	600	2093	700	2200	0
303.	BASIC FACILITY INTRUSION DETECTION SYSTEM (UNFUNDED)										
	PMPSE	64718 DL82 02 6004	CUM TOTAL.	0	900	500	600	2093	700	2200	0
301.	HATS (S280) HARDENED SHELTER										
	NATICK	64717 D429 03 D429-03	CUM TOTAL.	0	900	500	600	2093	700	2200	0
300.	GROUND CVC CLOTHING SYSTEM (FACE MASK)										
	NATICK	64713 DL40 96 DL40-96	CUM TOTAL	0	900	500	600	2093	700	2200	0
299.	BODY ARMOR FOR EXPLOSIVE ORDNANCE DISPOSAL UNITS										
	NATICK	64713 DL40 82 DL40-82	CUM TOTAL:	0	900	500	600	2093	700	2200	0
297.	ENG DEV OF GLCM FOOD SVC SYSTEM										
	NATICK	64713 D548 42 D548-42	CUM TOTAL:	0	900	500	600	2093	700	2200	0
296.	COMMERCIAL VEHICLES FOR TACTICAL APPLICATION			1968							
	TACOM	64604 D659 01 TV100	CUM TOTAL:	1968	900	500	600	2093	700	2200	0
295.	BASIC MILITARY FREE-FALL PARACHUTE										
	NATICK	64218 D279 13 D279-13	CUM TOTAL:	1968	900	500	600	2093	700	2200	0
294.	IN-HOUSE ENGINEERING SUPPORT - GROUND SUPPORT EQUIPMENT			390							
	AVSCOM	64304 DC32 22 RTL4077	CUM TOTAL:	2358	900	500	600	2093	700	2200	0
293.	AIRCREW CLOTHING SYSTEM, COLD WEATHER										
	NATICK	63747 D669 34 D669-34	CUM TOTAL:	2358	900	500	600	2093	700	2200	0
292.	FOOD PACKET, ASSAULT										
	NATICK	63747 D610 10 D610-10	CUM TOTAL.	2358	900	500	600	2093	700	2200	0
290.	DIVING AND SUPPLY EQUIPMENT FOR NBC ENVIRONMENTS						250	867			
	BELVOIR	63726 DG14 28 2128	CUM TOTAL:	2358	900	500	850	2960	700	2200	0
288.	ARAPAHO HELICOPTER SUPPORT SYSTEM										
	PM-AHC	63726 D526 06 2201	CUM TOTAL.	2358	900	500	850	2960	700	2200	0

cksyscmd

This report produces a diagnostic system summary, and shows missing data elements with underlines.

acego ../qa/cksyscmd [code] [name] [command]

****** S A M P L E ******

SSN: 3T0002 TITLE: TUNNEL DETECTION SYSTEM (TUDS)

Associated SSN's: _____ _____ _____

Mission Area: CS /EMW
Commodity Line: TUD/FLD F1
Cross Functional Area: _____
Acquisition Type: Development

AMCMSC: TROSCOM
AMC Manager: BELVOIR
TRADOC Proponent: ENS
Req. Document: (LOA , _____, _____)

DEFICIENCIES: 265- , 315-8

DESCRIPTION: A NEW DEVELOPMENTAL SYSTEM TO PROVIDE THE ARMY WITH SOPHISTICATED ELECTRONIC HARDWARE & TECHNIQUES TO DETECT, LOCATE &CO UNTER THE ENEMY INTRUSION THREAT POSED BY BOTH ACTIVE & PASSIVE TUNNELS AT DEPTHS UP TO 300 METERS IN ANY WORLDWIDE GEOL OGICAL ENVIRONMENT. THE FOLLOWING SUBSYSTEMS ARE BEING DEVELOPED: (1) SEISMIC DETECTION SUBSYS; (2)ELECTROMAGNETIC DETECTIO N SUBSYS; (3) RESISTIVITY DETECTION SUBSYSTEM; (4)FIELD DATA ANALYSIS SUBSYSTEM & (5) BOREHOLE TV INSPECTION SUBSYS. EXPLO RATORY DEVELOP MT OF OTHER PROMISING DETECTION METHODS WILL BE CONT'D & CONSIDERED FOR LATER INCORP INTO TUDS.

PROCUREMENT FUNDING DATA

YEAR	FUNDED
1986	0
1987	0
1988	0
1989	0
1990	0
1991	0
1992	0
1993	0
1994	0
1995	0
1996	0
1997	0
1998	0
1999	0
2000	0
2001	0

WORKPACKAGE DATA

PE	PROJ	TASK	SUB	WKPKG	TRAN	COMMAND	LAB	PRI	TITLE
64717	DH01	41	6.4	4015	____	BELVOIR	CED	___	TUNNEL DETECTION
63726	DQ01	31	6.3B	4014	____	BELVOIR	CED	50	TUNNEL DETECTION
62716	AH70	01	6.2	8207	____	LABCOM	HEL	360	ARMY APPLICATION OF ROBOTICS

****** S A M P L E ******

ckwkpkg

This report looks for unlinked workpackages.

acego ../qa/ckwkpkg [code] [name]

CSS FUNDED WORKPACKAGES NOT LINKED TO SYSTEMS

PE	PROJ	TASK	SUB	WKPKG	COMMAND	LAB	TITLE
62705	AH94	09	6.2	5017	LABCOM	ETDL	CRYSTAL OSCILLATORS
62705	AH94	09	6.2	5065	LABCOM	EIDL	ACOUSTO-OPTICAL SIGNAL PROCESSING - II
62705	AH94	09	6.2	5066	LABCOM	EIDL	ACOUSTIC SIGNAL PROCESSING & FREQUENCY SOURCES - II
62705	AH94	09	6.2	5067	LABCOM	ETDL	CRYSTAL OSCILLATORS - II
62705	AH94	12	6.2	5020	LABCOM	EIDL	HIGH ENERGY PULSERS
62705	AH94	12	6.2	5037	LABCOM	ETDL	TACTICAL MEGAWATT COMPONENTS
62705	AH94	12	6.2	5070	LABCOM	ETDL	HIGH ENERGY PULSERS - II
62705	AH94	16	6.2	5040	LABCOM	ETDL	VALUE ENGINEERING FOR ELECTRONIC COMPONENTS
62705	AH94	16	6.2	5050	LABCOM	ETDL	VALUE ENGINEERING FOR ELECTRONIC COMPONENTS
62705	AH94	16	6.2	5090	LABCOM	ETDL	VALUE ENGINEERING FOR ELECTRONIC COMPONENTS
62723	AH98	A	6.2	AH98-A3	NATICK	IPD	ANTHROPOMETRIC DATA BASE
62733	AH20	FE	6.2	2255	BELVOIR	LSD	ELECTRIC POWER
62733	AH20	FL	6.2	2250	BELVOIR	LSD	LOGISTICS RESEARCH
63104	D130	09	6.3A	5021	BELVOIR		
63218	D242	01	6.3A	D242-01	NATICK	AMED	DROP ZONE ASSEMBLY AIDS, ELECTROMAGNETIC
63218	D242	02	6.3A	D242-02	NATICK	AMED	ULTRA HIGH LEVEL CONTAINER AIRDROP SYSTEM
63218	D242	06	6.3A	D242-06	NATICK	AMED	ADVANCED LOW ALTITUDE PERSONNEL PARACHUTE SYSTEM
63218	D242	3X	6.3A	D242-X3	NATICK	AMED	SMALL UNIT AIRBORNE RECOVERY/DELIVERY SYSTEM
63225	D266	06	6.3B	D266 06	NATICK	AMED	BUNDLE DELIVERY SYSTEM FOR C141
63705	DK82	07	6.3B	6028	PMPSE	PMPSE	REAR AREA PHYSICAL SECURITY SYSTEM
63726	DK39	53	6.3B	2221	PM-PWL	LSD	STORAGE DEVICES - INCR
63726	DK41	23	6.3B	2081	PM-PWL	LSD	20 LITER PLASTIC FUEL CAN
63726	DK41	31	6.3B	2031	PM-PWL	LSD	AIRDROPPABLE REFUELING MODULE/COLLAPSIBLE DRUMS
63726	DK41	37	6.3B	2131	PM-PWL	LSD	FUEL SURVEILLANCE
63747	D610	04	6.3B	D610-04	NATICK	FED	THE ARMY COMBAT FIELD FEEDING SYSTEM
63747	D610	06	6.3B	D610-06	NATICK	FED	TRAY PACK MENU ITEMS
63747	D610	13	6.3B	D610-13	NATICK	FED	ONE BURNER SQUAD STOVE
63747	D669	2V	6.3B	D669-V2	NATICK	AMED	FIELD TOILET SYSTEM
63747	D669	46	6.3B	D669-46	NATICK	AMED	LEAFLET ROLLING MACHINE FOR SOF
63748	DJ28	02	6.3A	J280203	CECOM	TMDE	ATSE NETWORKING
64218	D279	6X	6.4	D279-X6	NATICK	AMED	SMALL UNIT AIRBORNE RECOV/DELIV SYSTEM
64604	D659	01	6.4	TV100	TACOM	PMHTV	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)
64713	DL40	4V	6.4	DL40-4V	NATICK	AMED	HIGH MOBILITY VEHICLE MAINTENANCE SHELTER
64713	DL40	5U	6.4	DL40U5U	NATICK	AMED	MODULAR FAMILY OF TENTS/1990S
64713	DL40	82	6.4	DL40-82	NATICK	IPD	BODY ARMOR FOR EXPLOSIVE ORDNANCE DISPOSAL UNITS
64713	DL40	98	6.4	DL40-98	NATICK	IPD	COMBAT FOOTWEAR
64717	DH14	11	6.4	2016	BELVOIR	LSD	ROUGH TERRAIN CONTAINER TRANSPORTER (RTCT) - INCREMENT
65810	DE65	01	6.5	E650101	CECOM	PM TMDE	TEMOD EVALUATION (NDI) - IN-HOUSE SUPPORT
65810	DE65	01	6.5	E650102	CECOM	PM TMDE	TEMOD EVALUATION (NDI) - PROGRAM SUPPORT
65810	DE65	01	6.5	E650103	CECOM	PM TMDE	TEMOD EVALUATION (NDI) - FEASIBILITY
65810	DE65	4854367	6.5	4854367	TACOM	RC	COMMERCIAL TRAILERS FOR TACTICAL APPLICATION
65810	DE65	4855018	6.5	4855018	TACOM	TASL	M1 BULLDOZER KIT PROGRAM
65810	DE65	4856116	6.5	RC6116	TACOM	RT	EVALUATION OF RADIAL PLY TIRES
65810	DE65	4865023	6.5	4865023	TACOM	RG	MACI: TACTICAL TRUCK DRIVELINE COMPONENTS
65810	DE65	E853835	6.5	3022	BELVOIR	LSD	DIESELIZATION OF 400K BTUH HEATER
65810	DE65	E863816	6.5	3018	BELVOIR	LSD	MACI-STD FAM AIR CONDS (OMNIBUS)
65810	DE65	E863817	6.5	3019	BELVOIR	LSD	MACI-DOD STD FAM MEPGS (CEP PROG) (OMNIBUS)
65810	DE65	E863827	6.5	2137	BELVOIR	LSD	MACI-CONTAINERIZATION
65810	DE65	E863829	6.5	2139	BELVOIR	LSD	MACI-RAIL EQUIPMENT
65810	DE65	E873818	6.5	2230	BELVOIR	LSD	ESCORT CAR
65810	DE65	TMM500	6.5	5041	TACOM	TMM	XM1067 TRUCK TRACTOR PROGRAM
65810	DE65	TMM500	6.5	5042	TACOM	TMM	HEAVY DUTY MEDIUM EQUIPMENT TRANSPORTATION PROGRAM.
65810	DE65	TMM500	6.5	5043	TACOM	TMM	HIGH MOBILITY TRAILER

comindex

This report produces an unclassified index of the commodity lines with two page entry columns, one for the commodity summary and one for the commodity profile. It is sorted by commodity line.

expr [first pg#] | acego ../neil/comindex [pg letter] [code] [name] [pro]

CSS COMMODITY LINE INDEX IN ALPHABETICAL ORDER

COMMODITY LINE	SUMMARY PAGE	FUNDING PROFILE
	---	---
AIR DROP	---	---
AMMO	---	---
AVN SPT EQ	---	---
CONST EQ	---	---
FD/FLD SVC	---	---
FUEL HDL	---	---
FUEL/LUBES	---	---
IND/PRO EQ	---	---
MAINT EQ	---	---
MARINE CFT	---	---
MAT HDL	---	---
MED SPT	---	---
MTL HDL	---	---
PHY SCTY	---	---
SHELTERS	---	---
SPT VEH	---	---
TAC VEH	---	---
TACCS	---	---
TMDE	---	---
WR PUR/DIS	---	---

commod

This report produces a unclassified summary of the commodities represented by systems in a designated mission area. System deficiencies and procurement funding are included. It is sorted by command and commodity line.

expr [first pg#] | acego ../neil/commod [pg letter] [code] [name]

BRIDGING COMMODITY LINE SUMMARY FOR EMW

Acquisition Strategy:

BSN	TITLE/DEFICIENCIES	DA/TDC	MA	PDIP	PROCUREMENT SCHEDULE 86 87 88 89 90 91 92 93 94 95 96 97 98 99
	***** TYPE CLASSIFIED *****				
M20000	LINK REINFORCING SET, MG BRIDGE	CS	EMW	6XE5-02	**** ********
	BELVOIR 41-D 133-D				
M21901	LIGHT TACTICAL RAFT	CS	EMW	6XE5-01	
	BELVOIR 41-C 133-D				
M23600	RIBBON BRIDGE ERECTION BOAT	CS	EMW	6XE5-01	********** **********
	BELVOIR 133-B				
M23601	BRIDGE ERECTION BOAT, SD	CS	EMW	6XE5-01	
	BELVOIR 133-C				
M24601	MAB, INT BAY BRIDGING	CS	EMW	6XE5-01	
	BELVOIR 133-D				
M24700	M4700 FLOATING BRG/DRY SPAN	CS	EMW	6XE5-01	
	BELVOIR 133-D				
M24801	MAB, RAMP BAY	CS	EMW	6XE5-01	
	BELVOIR 133-E				
M25001	BRIDGE, BAILEY, M2	CS	EMW	-	
	BELVOIR 133-E				
M25301	CLASS 60 FLOAT BRG	CS	EMW	-	
	BELVOIR 133-E				
M29500	BRIDGE, FIXED, HIGHWAY, ALUM, MED GIRDER	CS	EMW	6XE5-01	**********
	BELVOIR 133-C				
M29700	BRIDGE, ERECTION SET, MED GIRD	CS	EMW	6XE5-03	****
	BELVOIR 133-D				
MA7100	ITEMS LESS THAN $2.0M(BRIDGING)	CS	EMW	6XE5-01	**********
	BELVOIR 133-D				
	***** *****				
3T0006	HEAVY DRY SUPPORT BRIDGE	CS	EMW	6XE5-01	
	BELVOIR 80 133-B				
3M2014	AFV-IMPROVED HEAVY ASSAULT BRIDGE (IHAB)	CS	EMW	6M7Y-01	
	TACOM 41-C 65-A 86-B 131-C 133-B 307-B 313-D				

Legend:
**** - Funded Procurement

compro1

This report produces a temporary file which is loaded into the database file fundpro. It accumulates the funding data for uniquely linked workpackages associated with each commodity line. The data is used in the commodity profile report compro2.

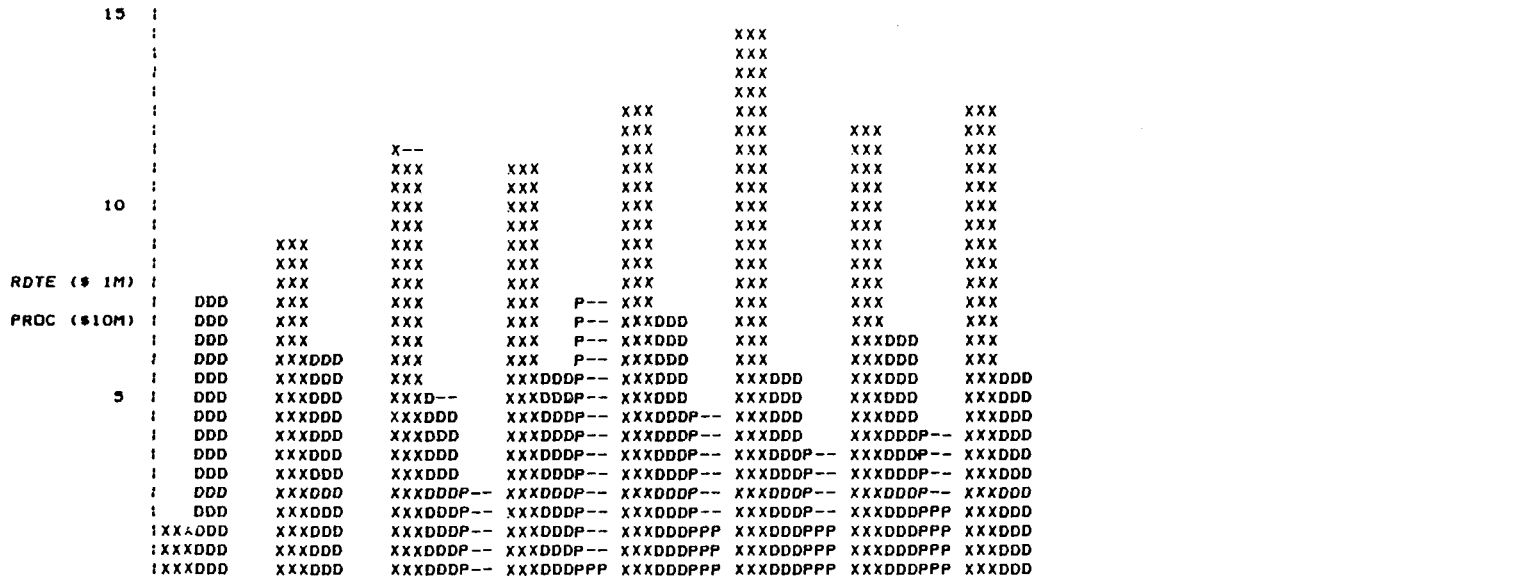
acego ../neil/compro1 [code] [name] [commodity]

compro2

This report produces an unclassified commodity profile, a vertical bar chart showing the total tech base, development, and procurement funding for a commodity line within a mission area.

expr [first pg#] | acego ../neil/compro2 [pg letter] [code] [name] [commodity]

BRIDGING COMMODITY LINE FISCAL SUMMARY FOR EMW



	1986	1987	1988	1989	1990	1991	1992	1993	94	95	96	97	98	99	00	01
Tech Base	1973	9320	11181	11081	12910	14796	12345	12852								
(XXX/X--)	0	0	(661)	0	0	0	0	0								
Development	7912	6297	4876	5503	7261	5773	6630	5874								
(DDD/D--)	0	0	(338)	0	0	0	(100)	0								
Procurement	0	0	0	9500	16400	16400	21000	0	See Out Year Procurement							
(PPP/P--)	0	0	(26200)	(67200)	(30200)	(22500)	(20900)	0								

	1994	1995	1996	1997	1998	1999	2000	2001
Procurement (Out Years)	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0

comsyspdip

This report produces a listing of the commodity lines/systems/pdips which are appropriate to a particular mission area. It was requested by Bob Brown.

expr [first pg#] | acego ../neil/comsyspdip [pg letter] [code] [name]

BRIDGING COMMODITY/SYSTEM/PDIP SUMMARY FOR EMW

***** TYPE CLASSIFIED *****

M20000 LINK REINFORCING SET, MG BRIDGE — CS / EMW BELVOIR

PDIP	fy87	fy88	fy89	fy90	fy91	fy92	fy93	fy94	fy95	fy96	fy97	fy98	fy99	fy00	fy01
6XE502	0	0	0	0	0	5000	0	0	0	0	0	0	0	0	0
6XE503	0	0	4800	0	5300	5000	0	0	0	0	0	0	0	0	0
Total:	0	0	4800	0	5300	10000	0	0	0	0	0	0	0	0	0

M21901 LIGHT TACTICAL RAFT — CS / EMW BELVOIR

PDIP	fy87	fy88	fy89	fy90	fy91	fy92	fy93	fy94	fy95	fy96	fy97	fy98	fy99	fy00	fy01
6XE501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

M23600 RIBBON BRIDGE ERECTION BOAT — CS / EMW BELVOIR

PDIP	fy87	fy88	fy89	fy90	fy91	fy92	fy93	fy94	fy95	fy96	fy97	fy98	fy99	fy00	fy01
6XE501	19200	18800	8100	0	21500	0	20300	20300	20700	21700	21700	21700	72700	72700	72700
6XE503	0	0	20400	29200	8500	0	0	0	0	0	0	0	0	0	0
Total:	19200	18800	28500	29200	30000	0	20300	20300	20700	21700	21700	21700	72700	72700	72700

M23601 BRIDGE ERECTION BOAT, SD — CS / EMW BELVOIR

PDIP	fy87	fy88	fy89	fy90	fy91	fy92	fy93	fy94	fy95	fy96	fy97	fy98	fy99	fy00	fy01
6XE501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

M24601 MAB, INT BAY BRIDGING — CS / EMW BELVOIR

PDIP	fy87	fy88	fy89	fy90	fy91	fy92	fy93	fy94	fy95	fy96	fy97	fy98	fy99	fy00	fy01
6XE501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

M24700 M4700 FLOATING BRG/DRY SPAN — CS / EMW BELVOIR

PDIP	fy87	fy88	fy89	fy90	fy91	fy92	fy93	fy94	fy95	fy96	fy97	fy98	fy99	fy00	fy01
6XE501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

M24801 MAB, RAMP BAY — CS / EMW BELVOIR

PDIP	fy87	fy88	fy89	fy90	fy91	fy92	fy93	fy94	fy95	fy96	fy97	fy98	fy99	fy00	fy01
6XE501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

M25001 BRIDGE, BAILEY, M2 — CS / EMW BELVOIR

PDIP	fy87	fy88	fy89	fy90	fy91	fy92	fy93	fy94	fy95	fy96	fy97	fy98	fy99	fy00	fy01
N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

M25301 CLASS 60 FLOAT BRG — CS / EMW BELVOIR

PDIP	fy87	fy88	fy89	fy90	fy91	fy92	fy93	fy94	fy95	fy96	fy97	fy98	fy99	fy00	fy01
N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

M29500 BRIDGE, FIXED, HIGHWAY, ALUM, MED GIRDER — CS / EMW BELVOIR

PDIP	fy87	fy88	fy89	fy90	fy91	fy92	fy93	fy94	fy95	fy96	fy97	fy98	fy99	fy00	fy01
6XE501	0	0	0	0	0	0	16000	16000	16000	0	0	0	0	0	0
6XE503	0	0	0	0	0	15900	0	0	0	0	0	0	0	0	0
Total:	0	0	0	0	0	15900	16000	16000	16000	0	0	0	0	0	0

decsysbdp

This report produces an unclassified decision aid for systems in a mission area based on the BDP priority sequence. Developmental systems are listed in priority order, with base case systems first, and unfunded RDTE requirements for workpackages with a criticality value of 1, 2, or 3 are shown.

expr [first pg#] | acego ../neil/decsysbdp [pg letter] [code] [name]

EMW 1 TO N DEVELOPMENT SYSTEMS BDP RANKINGS
WITH SIGNIFICANT UNFUNDED WORKPACKAGES SHOWN

	SSN	TITLE / UNFUNDED WORKPACKAGES		DA/IDC MA	UNFUNDED DEVELOPMENT SCHEDULE FY86	FY87	FY88	FY89	FY90	FY91	FY92	FY93
		BELVOIR 63606 D608 27 1340	crit: 2			(3999)	(15701)					
		UNFINANCED COUNTERMINE PROGRAM										
		BELVOIR 63606 D608 27 1341	crit: 2			(1945)						
		UNFINANCED COUNTERMINE PROGRAM - INCREMENT										
21.	3T0020	INTEGRATED POWER ENVIRONMENTAL CONTROL S		CSS / EMW								
22.	6E0001	ADVANCED TACTICAL POWER SOURCES		CSS / EMW								
23.	KA2551	QUICK RESPONSE MULTI COLOR PRINTER		CSS / EMW								
24.	3T0304	SURVIVABLE TACTICAL ARMY GENERATOR		CS / EMW								
25.	3T0048	LIGHT INFANTRY MINEFIELD BREACHING SYSTE		CS / EMW								
		BELVOIR 63606 D608 07 1310	crit: 1							(2450)		
		LIGHT INFANTRY MINEFIELD BREACHING SYSTEM (LIMBS)-IM										
		BELVOIR 63606 D608 27 1340	crit: 2			(3999)	(15701)					
		UNFINANCED COUNTERMINE PROGRAM										
		BELVOIR 63606 D608 27 1341	crit: 2			(1945)						
		UNFINANCED COUNTERMINE PROGRAM - INCREMENT										
26.	6E0002	THERMOELECTRIC GENERATORS		CSS / EMW								
		LABCOM 62705 AH94 11 5069	crit: 1					(1034)	(1134)	(1294)	(1741)	(1741)
		THERMOELECTRIC GENERATOR - IPECS - II										
27.	3T0300	GEN INTEG SYS FOR TACTICAL VEHICLES		CSS / EMW								
28.	WC9112	COUNTEROBSTACLE VEHICLE (COV)		CS / EMW								
		BELVOIR 64COV DCOV 01 1316	crit: 1					(7000)	(13000)	(13000)	(8000)	
		NEW PROPOSED PROGRAM FOR COV										
29.	3T0049	IMPROVED LINE CHARGE		CS / EMW								
30.	6T0007	COUNTERMINE CONCEPTS - BROAD BASED TECHN		CS / EMW								
		BELVOIR 65810 D125 01 1210	crit: 3			(700)	(850)	(1000)	(1104)	(1090)	(1215)	(1300)
		MARKET INVESTIGATION - COMBAT ENGINEERING DIRECTORAT										
31.	RE3300	THERMOELECTRIC GENERATOR 1.5KW		CSS / EMW								
32.	3T0051	IMPROVED HAND HELD MINE DETECTOR		CS / EMW								
		BELVOIR 63606 D608 29 1300	crit: 1						(7800)	(9000)	(2500)	
		IMPROVED HAND HELD MINE DETECTOR- INCREMENT										
		BELVOIR 63606 D608 27 1340	crit: 1			(3999)	(15701)					
		UNFINANCED COUNTERMINE PROGRAM										
		BELVOIR 63606 D608 27 1341	crit: 1			(1945)						
		UNFINANCED COUNTERMINE PROGRAM - INCREMENT										
		BELVOIR 63606 D608 49 1302	crit: 2						(6600)	(8100)	(4600)	
		ADVANCED TECHNOLOGY PORTABLE MINE DETECTOR - INCREME										
33.	3M0201	SEE VARIANT		CS / EMW								
		TACOM 62601 AH91 300 RC999	crit: 3				(141)	(212)	(351)	(523)	(550)	
		CORROSION OF FIBER REINFORCED COMPOSITE ARMOR										
34.	3T0112	FIELD ARMY MAPPING SYSTEMS (DTSS)		CS / EMW								

decwpbdp

This report produces an unclassified decision aid for workpackages in a mission area based on BDP priority sequence, and shows unfunded requirements for those workpackages. (6.3, 6.4, and 6.7)

expr [first pg#] ¦ acego ../neil/decwpbdp [pg letter] [code] [name]

EMW 1 TO N WORKPACKAGE BDP RANKINGS
WITH UNFUNDED AMOUNTS SHOWN

		UNFUNDED DEVELOPMENT SCHEDULE							
	PE/PROJ/TASK/WKPKG TITLE	FY86	FY87	FY88	FY89	FY90	FY91	FY92	FY93
1.	MINEFIELD RECONNAISSANCE AND DETECTOR SYSTEM (MIRADOR)								
	ARDEC 63619 D606 27 01343								
2.	MINEFIELD RECONNAISSANCE AND DETECTOR SYSTEM (MIRADOR)								
	ARDEC 64612 D415 10 01340								
3.	15/30/60 KW SIGNATURE SUPPRESSED GENERATOR SETS								
	MEP 64714 D194 15 7008								
4.	MULTI-PURPOSE DETECTION SYSTEM AD (MIN)								
	ARDEC 63619 D606 37 01351								
5.	COUNTEROBSTACLE VEHICLE								
	BELVOIR 63606 D608 08 1006								
6.	HEAVY ASSAULT BRIDGE								
	BELVOIR 63726 DG01 01 1025								
7.	MINEFIELD RECONNAISSANCE AND DETECTOR SYSTEM (MIRADOR)								
	ARDEC 63619 D606 27 91343								
8.	MULTI-PURPOSE DETECTION SYSTEM								
	ARDEC 63619 D606 37 91351								
9.	WIDE AREA NEUTRALIZATION DEVICE (WAND)								
	BELVOIR 63606 D608 16 1023								
10.	WIDE AREA NEUTRALIZATION DEVICE (WAND) (MIN)								
	ARDEC 64612 D415 12 01355								
11.	BARRIER 21/ANTI-TANK OBSTACLE					(1000)	(1400)	(2000)	
	BELVOIR 63606 D608 01 1054								
12.	COUNTEROBSTACLE VEHICLE (COV)								
	ARDEC 63619 DL01 31 91346								
13.	TACTICAL EXPLOSIVE SYSTEM (TEXS) ED (MIN)								
	ARDEC 64612 D021 02 01325								
14.	AIRBORNE MINEFIELD DETECTION & RECONNAISSANCE SYSTEM								
	BELVOIR 63606 D608 11 1007								
15.	MINEFIELD IMAGE RECOGNITION & CUEING STATIONS (MIRACS)								
	BELVOIR 63606 D608 48 1315								
16.	AIRBORNE MINEFIELD DETECTION SYSTEM (AMIDARS) (MIN)								
	ARDEC 64612 D415 09 01341								
17.	AIRBORNE MINEFIELD DETECTION SYSTEM (AMIDARS) (RISK)								
	ARDEC 64612 D415 09 11341								
18.	CANE TIP								
	BELVOIR 63606 D608 05 1005								
19.	TACTICAL EXPLOSIVE SYSTEM (TEXS)								
	ARDEC 64612 D021 02 91325								
20.	UNFINANCED COUNTERMINE PROGRAM		(3999)	(15701)					
	BELVOIR 63606 D608 27 1340								

defindex

This report produces an unclassified index for the deficiencies in a mission area. Two page columns are printed, one for the deficiency rollup, and one for the deficiency profile, depending upon the value of pro.

```
expr [first pg#] ! acego ../neil/defindex [pg letter] [code] [name] [pro]
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EMN DEFICIENCY INDEX IN NUMERICAL ORDER

DEFICIENCY	TITLE	SUMMARY PAGE	FUNDING PROFILE
29		----	----
41		----	----
86		----	----
94		----	----
95		----	----
106		----	----
131		----	----
132		----	----
133		----	----
145		----	----
230		----	----
237		----	----
306		----	----
307		----	----
310		----	----
313		----	----
315		----	----
320		----	----
322		----	----
325		----	----
326		----	----
327		----	----
331		----	----

defpro1

This report produces the temporary file which is read into the database file fundpro. It summarizes the rdte funding for a deficiency without duplicating the workpackages.

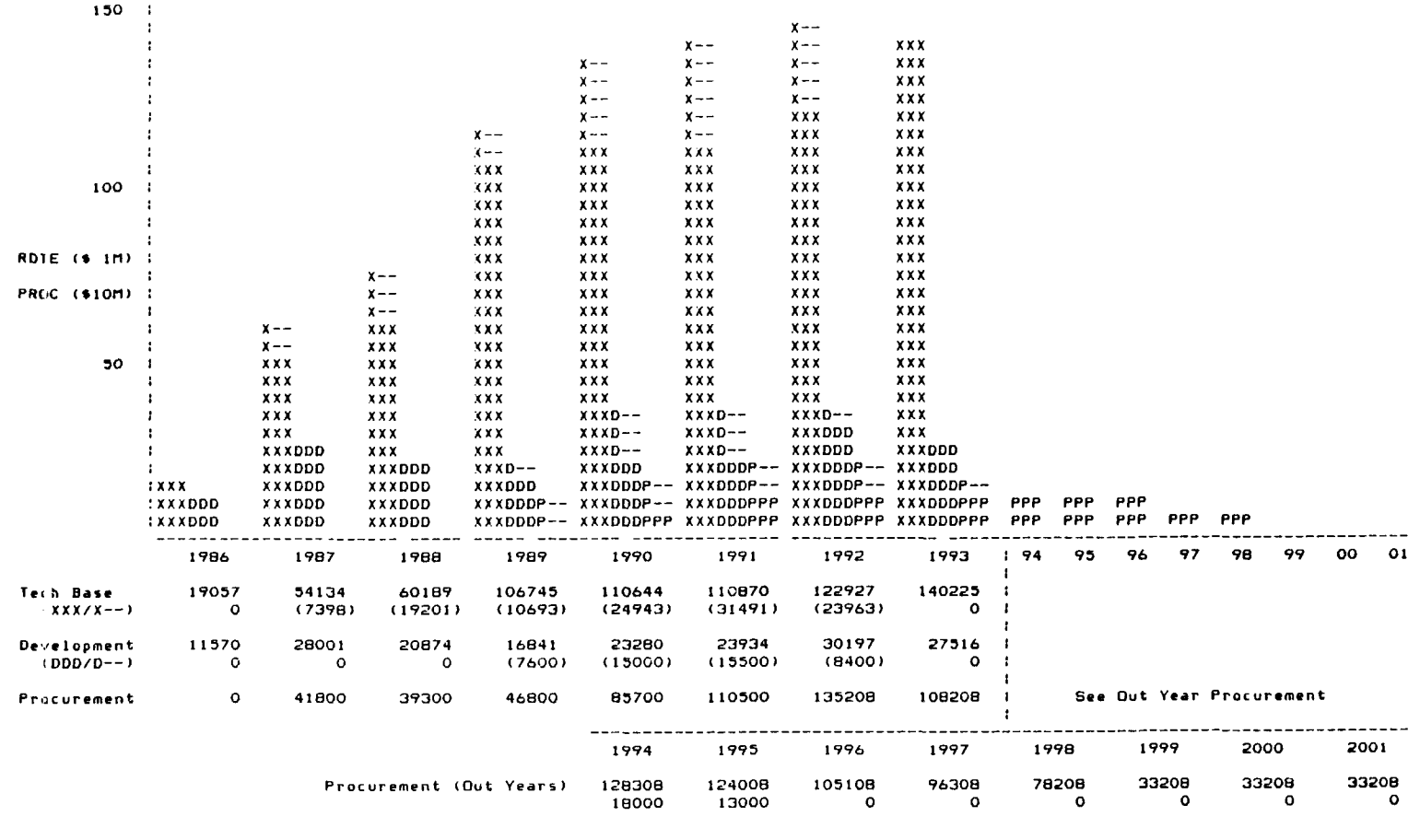
acego ../neil/defpro1 [code] [name]

defpro2

This produces an unclassified funding profile for the deficiencies within a mission area. It is just like the commodity profile.

expr [first pg#] | acego ../neil/defpro2 [pg letter] [code] [name]

FISCAL SUMMARY - DEFICIENCY 29



syspro1

This report produces the data file which is read into the temporary file fundpro. It rolls up the rdte funding for designated systems so that the deficiency rollup will have less work to do.

acego ../neil/syspro1 [code] [name]

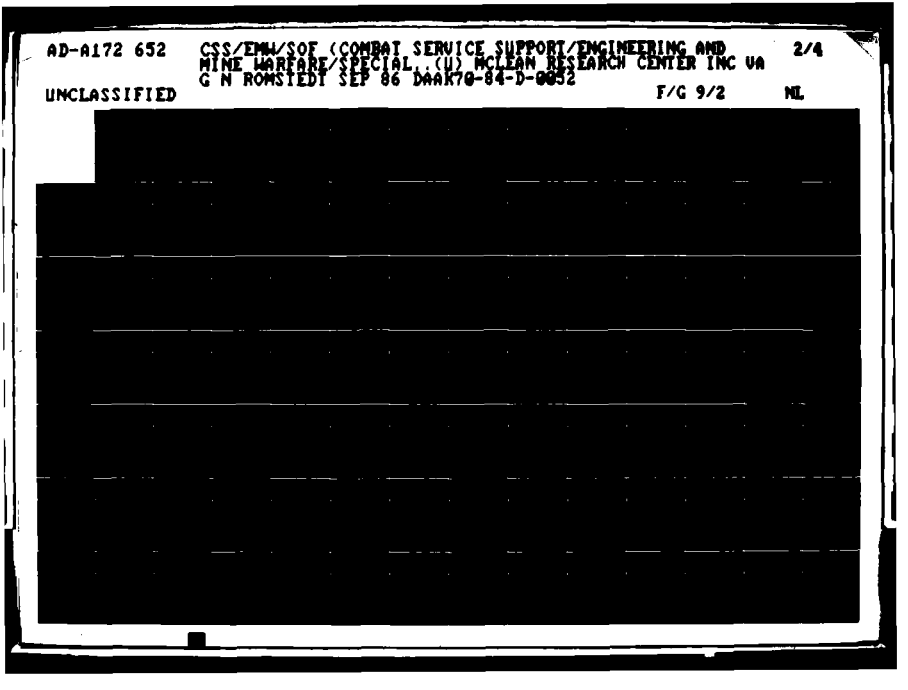
defroll

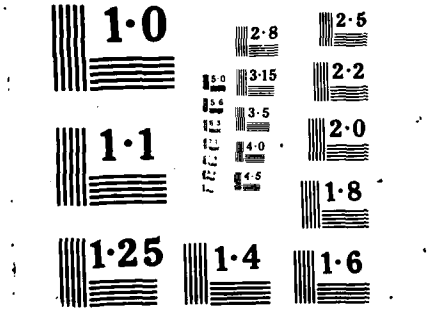
This report produces the classified deficiency summary for all deficiencies in a mission area. System procurement and rdte funding is shown as a series of asterisks.

expr [first pg#] | acego ../neil/defroll [pg letter] [code] [name]

AD-A172 652 CSS/EMW/SOF (COMBAT SERVICE SUPPORT/ENGINEERING AND MINE WARFARE/SPECIAL..(U) MCLEAN RESEARCH CENTER INC VA G N ROMSTEDT SEP 86 DAAK70-84-D-0052 2/4

UNCLASSIFIED F/G 9/2 NL




1·0
1·1
1·25
2·8
3·15
3·5
4·0
4·5
2·5
2·2
2·0
1·8
1·4
1·6

TRADOC DEFICIENCY: 29 EMW

DESCRIPTION:

	CON	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01
1. SCATERABLE MINE DETECTION SYSTEM ssn number: 6D0032 command: PM-MCD - CS / EMW	B	<NOT SCHEDULED>															
Type Classified:																	
1. E DET SET, MINE, MET/NON-MET, AN/PRS-8 ssn number: M15300 command: BELVOIR - CS / EMW	B	mmmm															
2. CH DML BLK PENT 2LB M11B ssn number: E50500 command: AMCCOM - CSS / EMW	C	<NOT SCHEDULED>															
3. CHG DEMO BLK TNT 1 LB ssn number: E51000 command: ARDEC - CSS / EMW	C	<NOT SCHEDULED>															
4. LAUNCHER, SLUFAE ssn number: M96300 command: AMCCOM - CS / EMW	C	<NOT SCHEDULED>															
5. MINE CLEARING ROLLER ssn number: X00600 command: TACOM - CC / EMW	C	**********															
6. MARKING SYS, CLEAR LANE ssn number: X00700 command: PM-MCD - CS / EMW	C	mmmmmmm						mmmmmm

defsys

This diagnostic report shows all systems linked to a deficiencies within a mission area. It shows if the systems are controlled or not.

expr [first pg#] | acego ../qa/defsys [pg letter] [code] [name]

EMW DEFICIENCIES WITH SYSTEM BDP RANKING

29

1M1101	*	C	MINE PLOW BLADE
3B6I01		A	CONV TNG MINE
3T0046	*	D	ADVANCED MINE CLEARING SYS
3T0048	*	C	LIGHT INFANTRY MINEFIELD BREACHING SYSTEM (LIMBS)
3T0049	*	C	IMPROVED LINE CHARGE
3T0051	*	D	IMPROVED HAND HELD MINE DETECTOR
3T0055	*	E	TACTICAL OBSTACLE MARKING SYSTEM (TOMS)
3T0056	*	D	REACTIVE FRAGMENT MINE NEUTRALIZATION SYSTEM (FRAGS)
3T0057	*	B	WIDE-AREA NEUTRALIZATION MINE DEVICE (WAND)
3T0058	*	D	MAGNETIC SIGNATURE SILENCING SYSTEM (MASSIS)
3T0307	*	C	ELECTRIC EXPLOSIVE DETONATION SYSTEM
5M2015	*	B	AFV-ENGINEER SQUAD (SAPPER)
5M2016	*	C	AFV-COMBAT EXCAVATOR (CEV)
5M2017	*	D	AFV - COMBAT EARTHMOVER (CEM)
5M2018	*	A	AFV-COMBAT MOBILITY VEHICLE (CMV)
5R1001		E	MOBILE LASER DEARMER (MOLAD)
5T0003	*	C	AIRBORNE MINEFIELD DETECTION & RECONN SYS--AMIDARS
5T0006	*	C	SCATTERMINE RADAR (SCMR)
5T0007	*	C	MULTIPURPOSE DETECTION SYSTEM
5T0028	*	C	CANETIP
5T0037	*	B	AUTOMATED COUNTERBARRIER SYSTEM
5T0038	*	C	VEHICLE HARDENING
5T0040	*	D	REAR AREA MINE CLEARING SYSTEM (RAMV)
5T0041	*	E	MAN MADE OBSTAC RPT & DUP SYS (MORDS)
5T0055			SITUATION SENSITIVE DETECTION TECHNOLOGY
5T0060			SITUATION SENSITIVE MOBILITY TECHNOLOGY
5T0061			SITUATION SENSITIVE COUNTERMINE TECHNOLOGY
6D0026		B	ADVANCED MECHANICAL MINE CLEARING DEVICE
6D0032		B	SCATERABLE MINE DETECTION SYSTEM
6T0007	*	B	COUNTERMINE CONCEPTS - BROAD BASED TECHNICAL AREA
7B1B01		A	ENG EX SYS ADV
7341O1		A	FASCAM EFFECT
7B4I02		A	SAWE-MES
E39500	*	D	ROCKET, SURFACE LAUNCHED UNIT FUEL AIR EXP-SLUFAE
E50500	*	C	CH DML BLK PENT 2LB M11B
E51000	*	C	CHG DEMO BLK TNT 1 LB
E75100	*	B	LINE CHARGE M58A3 (MICLIC)
Q24000		B	ROBAT (M-60 MOD)
QA2525	*	D	TRANSPORTER, SLUFAE
KA2550	*	C	DIGITAL TOPOGRAPHIC SPT SY (DTSS)
KA2551	*	C	QUICK RESPONSE MULTI COLOR PRINTER
M15300	*	B	E DET SET, MINE, MET/NON-MET, AN/PRS-8
M17900	*	D	DETECTING SET, MINE, AN/PSS-12
M96300	*	C	LAUNCHER, SLUFAE
R21000	*	A	VEHICLEMAGETIC SIGNATURE DUP
R22300	*	B	MINEFIELD RECONNAISSANCE AND DETECTOR SYS (M
WC5112	*	C	COUNTEROBSTACLE VEHICLE (COV)
X00600	*	C	MINE CLEARING ROLLER

fundsysbdp

This report produces an unclassified listing of system cumulative RDTE funding for development systems in a mission area. Systems are listed in BDP priority order, with base case systems first.

expr [first pg#] | acego ../neil/fundsysbdp [pg letter] [code] [name]

EMW 1-N DEVELOPMENT SYSTEM BDP RANKING
WITH FUNDED RDT&E WORKPACKAGE TOTALS SHOWN

	SSN	DA MA	AMC MGR	TITLE	FUNDED DEVELOPMENT SCHEDULE ($K) FY87	FY88	FY89	FY90	FY91	FY92	RATING
1.	5M2000	CC	TACOM	ARMORED FAMILY OF VEHICLES (AFV)	80710	127413	183608	266537	529400	535190	3560.00
2.	3T0003	CS	BELVOIR	AIRBORNE MINEFIELD DETECTION & RECONN SYS--A	10674	6128	6950	12500	9200	5357	3332.00
3.	5M2018	CS	TACOM	AFV-COMBAT MOBILITY VEHICLE (CMV)	24141	9939	14429	21873	19189	19834	2533.40
4.	KA2350	CSS	BELVOIR	DIGITAL TOPOGRAPHIC SPT SY (DTSS)	0	0	0	0	0	0	2348.40
5.	R21000	CS	PM-MCD	VEHICLEMAGETIC SIGNATURE DUP	5913	5257	5084	2600	1050	0	2331.60
6.	5M2015	CS	TACOM	AFV-ENGINEER SQUAD (SAPPER)	15943	3487	5300	8577	3500	3400	2221.80
7.	5M2016	CS	TACOM	AFV-COMBAT EXCAVATOR (CEV)	0	0	0	0	0	0	1985.60
8.	3T0078	CSS	PM-MEP	15/30/60 KW SIGNATURE SUPPRESSED GEN SETS	4435	0	0	0	0	0	1903.60
9.	5M2017	CS	TACOM	AFV - COMBAT EARTHMOVER (CEM)	0	0	0	0	0	0	1859.20
10.	5M2014	CS	TACOM	AFV-IMPROVED HEAVY ASSAULT BRIDGE (IHAB)	9303	7567	7135	10196	11196	12853	1843.80
11.	R22300	CS	PM-MCD	MINEFIELD RECONNAISSANCE AND DETECTOR SYS (M	5124	2678	5100	7000	4116	0	1782.00
12.	5M3000	CC	TACOM	FUTURE FAMILY OF VEHICLES (FFOV)	80797	102960	112780	119155	131345	110229	1778.40
13.	3T0057	CS	BELVOIR	WIDE-AREA NEUTRALIZATION MINE DEVICE (WAND)	0	0	450	1548	1900	0	1767.80
14.	3T0020	CSS	BELVOIR	INTEGRATED POWER ENVIRONMENTAL CONTROL SYSTE	2877	5272	3571	2416	3020	1898	1666.80
15.	6E0001	CSS	LABCOM	ADVANCED TACTICAL POWER SOURCES	10986	13617	12628	13019	13244	22420	1649.60
16.	KA2351	CSS	BELVOIR	QUICK RESPONSE MULTI COLOR PRINTER	5127	5441	3829	2633	5560	4268	1448.00
17.	3T0304	CS	PM-MEP	SURVIVABLE TACTICAL ARMY GENERATOR	0	0	0	0	0	0	1288.40
18.	3T0048	CS	BELVOIR	LIGHT INFANTRY MINEFIELD BREACHING SYSTEM (L	0	0	440	2500	0	750	1236.60
19.	6E0002	CSS	LABCOM	THERMOELECTRIC GENERATORS	937	994	0	0	0	0	1159.40
20.	3T0300	CSS	BELVOIR	GEN INTEG SYS FOR TACTICAL VEHICLES	0	0	1034	737	678	2495	1133.20
21.	WC5112	CS	BELVOIR	COUNTEROBSTACLE VEHICLE (COV)	13580	11696	12176	13804	13824	19398	1130.70
22.	3T0049	CS	BELVOIR	IMPROVED LINE CHARGE	2904	2840	2256	2321	4320	2683	1098.20
23.	6T0007	CS	BELVOIR	COUNTERMINE CONCEPTS - BROAD BASED TECHNICAL	19055	30898	71262	71693	73382	77736	1075.20
24.	R63300	CSS	BELVOIR	THERMOELECTRIC GENERATOR 1.5KW	937	994	0	0	3900	2505	1066.60
25.	3T0051	CS	BELVOIR	IMPROVED HAND HELD MINE DETECTOR	5828	5823	9279	6039	6714	7616	1054.60
26.	3M0201	CS	TACOM	SEE VARIANT	6587	6762	7387	9105	9157	14630	999.80
27.	3T0112	CS	BELVOIR	FIELD ARMY MAPPING SYSTEMS (DTSS)	0	0	0	0	0	0	993.20
28.	3T0306	CS	PM-MEP	INTEGRATED VEHICLE/GENERATOR	0	0	0	0	0	1103	934.80
29.	E57301	CSS	PM-MCD	TIME DELAY FIRING DEVICE (TDFD)	710	1276	1977	0	0	0	883.60
30.	3T0042	CSS	BELVOIR	GROUNDWATER ETECTION SYSTEM	0	447	500	0	0	0	826.80
31.	5M2032	CS	TACOM	AFV - MINE DISPERSING VEHICLE	9797	212	14551	13412	8837	12809	806.60
32.	3T0305	CS	PM-MEP	ARMY 21 GENERATOR SET	0	0	0	0	0	1600	764.00
33.	6T0017	CSS	PM-MEP	SYSTEMS & TECHNICAL PERFORMANCE ASSESSMENT	1500	1416	1305	1244	1820	1800	755.40
34.	3T0037	CS	BELVOIR	AUTOMATED COUNTERBARRIER SYSTEM	0	0	0	0	0	0	752.00
35.	3T0013	CSS	PM-MEP	10KW SILENT POWER PLANT	395	1523	3191	2000	0	0	725.40
36.	3T0019	CSS	PM-MEP	0.5 - 10KW LOW NOISE GENERATOR SETS	119	0	0	0	0	0	720.80
37.	3T0079	CSS	BELVOIR	3KW FREE PISTON STIRLING ENGINE GENERATOR SE	650	200	0	766	1916	0	696.80
38.	E57201	CS	PM-MCD	LINEAR SHAPED CHARGE	350	220	0	0	0	0	685.00
39.	3T0301	CSS	BELVOIR	ADVANCED GENERATOR SET COMPONENTS	0	0	0	0	0	800	625.40
40.	5T0028	CS	BELVOIR	CANETIP	0	0	2091	6731	5612	6234	606.80
41.	3T0007	CS	BELVOIR	MULTIPURPOSE DETECTION SYSTEM	0	0	637	4290	3236	6200	606.80
42.	E57401	CSS	PM-MCD	PENETRATION AUGMENTATION MUNITION (PAM)	1872	2370	2760	5100	4360	1000	592.60
43.	6D0016	CS	PM-MCD	SELECTABLE LIGHTWEIGHT ATTACK MUNITION (SLAM	0	0	0	0	0	0	589.80
44.	WC102C	CS	BELVOIR	HEAVY ASSLT BRIDGE (HAB)	18053	16239	22459	29761	32740	35587	587.20
45.	6D0002	CS	PM-MCD	WALL DEMOLITION MUNITION	3250	3500	3500	4046	4854	5232	565.20

fundwpbdp

This report produces an unclassified listing of workpackages for a mission area with their funded amounts. Workpackages are listed in BDP priority order. Sorted by fund subcategory. (6.3, 6.4, and 6.7 only).

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EMW 1 TO N 6.3A WORKPACKAGE BDP RANKINGS
WITH FUNDED FISCAL RESOURCES SHOWN

PE/PROJ/TASK/WKPKG TITLE	FUNDED DEVELOPMENT SCHEDULE							
	FY85	FY86	FY87	FY88	FY89	FY90	FY91	FY92
1. WIDE AREA NEUTRALIZATION DEVICE (WAND)								
BELVOIR 63606 D608 16 1023					450	1548	1900	
2. COUNTEROBSTACLE VEHICLE								
BELVOIR 63606 D608 08 1006	1933	2250	1400	100				
3. BARRIER 21/ANTI-TANK OBSTACLE								
BELVOIR 63606 D608 01 1054								
4. AIRBORNE MINEFIELD DETECTION & RECONNAISSANCE SYSTEM								
BELVOIR 63606 D608 11 1007		3417	3850	1350	1250			
5. MINEFIELD IMAGE RECOGNITION & CUEING STATIONS (MIRACS)								
BELVOIR 63606 D608 48 1315			1700	2100	600			
6. CANE TIP								
BELVOIR 63606 D608 05 1005	1250	1547			2091	3223	2000	
7. UNFINANCED COUNTERMINE PROGRAM								
BELVOIR 63606 D608 27 1340								
8. UNFINANCED COUNTERMINE PROGRAM - INCREMENT								
BELVOIR 63606 D608 27 1341								
9. SCATTERABLE MINEFIELD DETECTION SYSTEM (SCM)								
BELVOIR 63606 D608 30 1012	1048	1500	2719	459	200			
10. COMBAT ENGINEER COMPONENTS								
BELVOIR 63102 DJ01 01 1047		776			938	4113	4651	1717
11. MAN-MADE OBSTACLE REPORTING AND DISPOSITION SYSTEM (MOR								
BELVOIR 63606 D608 02 1079		300						
12. IMPROVED LINE CHARGE								
BELVOIR 63606 D608 25 1009						800	3000	2000
13. AUTOMATED COUNTER BARRIER SYSTEM								
BELVOIR 63606 D608 32 1013								
14. WIDE AREA NEUTRALIZATION DEVICE (WAND) - INCREMENT								
BELVOIR 63606 D608 16 1305								
15. TACTICAL OBSTACLE MARKING SYSTEM (TOMS)								
BELVOIR 63606 D608 31 1067								
16. REAR AREA MINE CLEARING SYSTEM (RAMV)								
BELVOIR 63606 D608 15 1074					1000	1900	1540	2600
17. ADVANCED MECHANICAL MINE CLEARING DEVICE								
BELVOIR 63606 D608 33 1014					254	554		1850
18. MINE COMPONENTS (MINIMUM BAND)								
ARDEC 63606 D006 02 03347			1675	212	3332	3556	1818	2817
19. MINE COMPONENTS (AT RISK BAND)								
ARDEC 63606 D006 02 13347					1275	711	2633	400
20. LANDMINE WARFARE								
ARDEC 63606 D006 02 93347								

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fundwpbdp2

This report produces an unclassified listing of workpackages for a mission area with their funded amounts. Workpackages are listed in BDP priority order. (6.3, 6 4, and 6.7) Extra spacing in the report is provided.

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EMW 1 TO N WORKPACKAGE BDP RANKINGS
WITH FUNDED FISCAL RESOURCES SHOWN

	PE/PROJ/TASK/WKPKG TITLE	FUNDED DEVELOPMENT SCHEDULE FY85	FY86	FY87	FY88	FY89	FY90	FY91	FY92
1.	MINEFIELD RECONNAISSANCE AND DETECTOR SYSTEM (MIRADOR) ARDEC 63619 D606 27 01343		4047	5124	2678				
2.	MINEFIELD RECONNAISSANCE AND DETECTOR SYSTEM (MIRADOR) ARDEC 64612 D415 10 01340					5100	7000	3500	
3.	15/30/60 KW SIGNATURE SUPPRESSED GENERATOR SETS MEP 64714 D194 15 7008	2200	5146	6656	4435				
4.	MULTI-PURPOSE DETECTION SYSTEM AD (MIN) ARDEC 63619 D606 37 01351						1577		3400
5.	HEAVY ASSAULT BRIDGE BELVOIR 63726 DG01 01 1025	5007	6658	3400	1637				
6.	MINEFIELD RECONNAISSANCE AND DETECTOR SYSTEM (MIRADOR) ARDEC 63619 D606 27 91343								
7.	MULTI-PURPOSE DETECTION SYSTEM ARDEC 63619 D606 37 91351								
8.	WIDE AREA NEUTRALIZATION DEVICE (WAND) BELVOIR 63606 D608 16 1023					450	1548	1900	
9.	WIDE AREA NEUTRALIZATION DEVICE (WAND) (MIN) ARDEC 64612 D415 12 01355								
10.	COUNTEROBSTACLE VEHICLE BELVOIR 63606 D608 CB 1006	1933	2250	1400	100				
11.	BARRIER 21/ANTI-TANK OBSTACLE BELVOIR 63606 D608 01 1054								
12.	COUNTEROBSTACLE VEHICLE (COV) ARDEC 63619 DL01 31 91346								
13.	TACTICAL EXPLOSIVE SYSTEM (TEXS) ED (MIN) ARDEC 64612 D021 02 01325			6700	250				
14.	AIRBORNE MINEFIELD DETECTION & RECONNAISSANCE SYSTEM BELVOIR 63606 D608 11 1007		3417	3850	1350	1250			

fundwplrp

This report produces an unclassified listing of workpackages for a mission area with their funded amounts. Workpackages are listed in PDIP priority order. (6.3, 6.4, and 6.7) Extra spacing in the report is provided.

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EMW 1 TO N WORKPACKAGE PDIP RANKINGS
WITH FUNDED FISCAL RESOURCES SHOWN

PE/PROJ/TASK/WKPKG TITLE	FUNDED DEVELOPMENT SCHEDULE FY85	FY86	FY87	FY88	FY89	FY90	FY91	FY92
1. COMBAT ENGINEER COMPONENTS BELVOIR 63102 DJ01 01 1047		776			938	4113	4651	1717
2. HEAVY DRY SUPPORT BRIDGE BELVOIR 63102 DJ01 02 1317			1559	3428	2500			
3. HEAVY DRY SUPPORT BRIDGE - INCREMENT BELVOIR 63102 DJ01 02 131.								
4. MINE COMPONENTS (MINIMUM BAND) ARDEC 63606 D006 02 03347			1675	212	3332	3556	1818	2817
5. BARRIER 21/ANTI-TANK OBSTACLE BELVOIR 63606 D608 01 1054								
6. MAN-MADE OBSTACLE REPORTING AND DISPOSITION SYSTEM (MOR BELVOIR 63606 D608 02 1079		300						
7. VEHICLE HARDENING BELVOIR 63606 D608 04 1066								
8. VEHICLE HARDENING - INCREMENT BELVOIR 63606 D608 04 1301								
9. CANE TIP BELVOIR 63606 D608 05 1005	1250	1547			2091	3223	2000	
10. GENERIC TECHNOLOGY BASE - COUNTERMINE FLAILS BELVOIR 63606 D608 06 1124		580						
11. LIGHT INFANTRY MINEFIELD BREACHING SYSTEM (LIMBS) BELVOIR 63606 D608 07 1309					440	2500		750
12. LIGHT INFANTRY MINEFIELD BREACHING SYSTEM (LIMBS)-IMCRE BELVOIR 63606 D608 07 1310								
13. COUNTEROBSTACLE VEHICLE BELVOIR 63606 D608 08 1006	1933	2250	1400	100				
14. AIRBORNE MINEFIELD DETECTION & RECONNAISSANCE SYSTEM BELVOIR 63606 D608 11 1007		3417	3850	1350	1250			

lrrdp1

This report produces an unclassified diagnostic report listing all the ssns and system titles that exist in the lrrdp file in alphabetical order. It can be used to identify duplicate system entries between ssns and nsis.

acego ../neil/lrrdp1

LRRDP SYSTEMS BY TITLE

1L0004	FS	
3A0108	AVN	
3M5006	CSS	
Q22800	NBC	
NA0128		
M63300	CSS	WELDING MACHINE ELEC ARC 350 AMP (CC-C
3T0019	EMW	0.5 - 10KW LOW NOISE GENERATOR SETS
R61500	EMW	0.5KW THERMOELECTRIC GENERATOR
3T0030	EMW	1.5/3KW POWER CONDITIONING MODULE
MJ2400	CSS	100 TON CRANE
GA0675		105MM TANK GUN ENHANCEMENT
3T0013	EMW	10KW SILENT POWER PLANT
3DS134	CCL	120MM XM929 SMK CTG FOR THE BATTATION MORTAR SYSTEM (BMS)
3T0078	EMW	15/30/60 KW SIGNATURE SUPPRESSED GEN SETS
3A0094	AVN	230-GALLON EXTERNAL FUEL TANK
3A0073	AVN	2500-SHAFT HORSEPOWER (SHP) ENGINE
3T0025	EMW	30 &60KW POWER CONDITIONERS
3T0079	EMW	3KW FREE PISTON STIRLING ENGINE GENERATOR SET
3DS957	CCL	40 MM HIGH VELOCITY SMOKE GRENADE
5T0026	CSS	40,000LB INTRADEPOT AMMUNITION TRANSPORTER
4T5022	CSS	42,000 LB AIRDROP SYSTEM
BB2050	SOF	4TH PSYOP GROUP
3DS931	CCL	60MM, XM722 SMK CTG FOR THE LTWT COMPANY MORTAR SYS (LWCMS)
X00900	CSS	65 TON CRANE
QZ3405		9WW
3A0057	CSS	A/C DECONTAMINATION, DEICING, AND CLEANING SYSTEM (ADDCS)
3A0021	AVN	A/C NBC DETECTION SYSTEMS
3A0017	AVN	AAH CB MASK
AZ3503	CC	ABN ADDS
K48000		ABN NAVSTAR
K20500		ABN PLRS
AZ3500	COM	ABN SINCGARS (186)
3C1007	SOF	ACOUSTIC DETECTION SYSTEM (ADS)
6A0049	AVN	ACA AVIONICS INTEGRATION
5B2A01	AVN	ACATT
5T0030	CSS	ACCELERATED FUEL QUALIFICATION PROCEDURE
3C0003	CC	ACCS SYSTEMS ENGINEERING
AZ3405	AVN	ACFT 9WW
E37600		ACTUATOR, AT MINE M1
CE9000	AD	AD/C2 MODS
BB2A04	AVN	ADA
BE4150		ADPE FOR NON TAC MGT INFO SYS
C99300	CCL	ADV ANTITANK WEAPONS SYS MED (AAWS-M)
B28600	FS	ADV FIELD ARTILLERY TACT DATA SYS
4T5026	CSS	ADV HIGH SPEED RETROROCKET SYSTEM
3A0008	CSS	ADV MATERIAL EXTERNAL CARGO SLING SYSTEM (AMCSS)
6A0046	AVN	ADV MISSION PLANNING STATION (AMPS)
3T0075	EMW	ADV POWER SOURCE FOR FUEL CELL
3A0031	AVN	ADV THREAT ALQ-136 (SEMA)
3A0041	AVN	ADV THREAT ALQ-144A IR JAMMER
3A0055	AVN	ADV THREAT AN/ALQ-136A(V)1 RADAR JAMMER
3A0035	AVN	ADV THREAT AT/ALQ-162 CW RADAR JAMMER
5C0004	SOF	ADV. LASER MARKERS
WC5216	CS	ADVANCED AIRBORNE RADIAC
C99400		ADVANCED ANTITANK GSE SYSTEM
WE2230	CCL	ADVANCED AT WEAPON
WE223A	CCH	ADVANCED AT WEAPON

lrrdppri

This report produces a confidential listing of all the pdip/increments and their priorities that are currently contained in the lrrdppri file.

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***** S A M P L E *****

DA PRIORITY BY PDIP AND INCREMENT

PDIP/INCREMENT	PRIORITY
1S6N-01	0.00
2S6C-01	0.00
2S8H-01	0.00
2S8J-02	0.00
2S8K-02	0.00
2S8M-01	0.00
2S8Q-01	0.00
2S8Q-02	0.00
2S8S-01	0.00
2SA3-01	0.00
2SA3-02	0.00
3Q5E-01	0.00
3Q7M-01	0.00
3R7Q-01	0.00
3R7Q-02	0.00
3R7C-03	0.00
3R7H-01	0.00
3R7J-01	0.00
3S4U-01	0.00
3S6F-01	0.00
3S7E-01	0.00
3S7E-02	0.00
3S7E-04	0.00
3SCD-01	0.00
3SX6-01	0.00
3SX6-02	0.00
3SX6-03	0.00
3W8W-01	0.00
4S3F-01	0.00
4S6A-01	0.00
4S6S-01	0.00
4S6V-01	0.00
4S6Y-01	0.00
4SZ3-01	0.00
4SZ3-02	0.00
5T8D-01	0.00
5M7Q-01	0.00
5M7Y-01	0.00
5P7M-01	0.00
5R5C-01	0.00
5S4T-01	0.00
5S6A-01	0.00
5S6X-01	0.00
5S7H-01	0.00
5S7W-01	0.00
5S8M-01	0.00
5S8M-02	0.00

lrrdpsys

This report produces an unclassified or confidential listing of all development systems in a mission area, in PDIP increment priority. If a system appears in more than one increment, only the highest priority increment will be listed. All base case systems appear at the top of the list.

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DA DEVELOPMENT SYSTEM PRIORITY FOR EMW

	SSN	DA MA	AMC MGR	TITLE	PDIP	PRIORITY
1.	R04800	CS	TACOM	SMALL EMPLACEMENT EXCAVATOR (SEE)	486A-01	base case
2.	1M1006	CC	TACOM	COMBAT ENGINEER VEHICLE	FL6I-01	base case
3.	BB1100	CSS	LABCOM	BATTERY CHARGER PP-7286/U	6V3H-01	base case
4.	R03000	CS	TACOM	TRUCK, DUMP, 20T (CCE)	6S5E-01	base case
5.	M05100	CS	TACOM	TRACTOR, FULLTRCKD LOW SPEED DSL	6W8F-02	base case
6.	M06000	CS	TACOM	TRACTOR, FL. TRKD, LS, D SP, SECT, AT	6W8F-02	base case
7.	R14201	CS	TACOM	SCRAPER ELEVATING SP 9 CU YD MIN SEC	6W8F-02	base case
8.	6D0016	CS	PM-MCD	SELECTABLE LIGHTWEIGHT ATTACK MUNITION (SLAM)	6R8P-01	
9.	3T0097	CSS	BELVOIR	INTEGRATED CHEMICAL FILTER ENVIORNMENTAL EQUIP-ICE	6M70-01	
10.	Q23000	CC	TACOM	ARMORED VEH LAUNCH BRIDGE (AVLB) - PIP	FL6I-01	
11.	5T0027	CS	BELVOIR	COMBAT ENGINEER COMPONENTS	6R8B-01	
12.	5T0036	CS	BELVOIR	HIGH MOBILITY BRIDGING	6R8B-01	
13.	3T0046	CS	BELVOIR	ADVANCED MINE CLEARING SYS	6M7L-01	
14.	3T0048	CS	BELVOIR	LIGHT INFANTRY MINEFIELD BREACHING SYSTEM (LIMBS)	6M7L-01	
15.	3T0049	CS	BELVOIR	IMPROVED LINE CHARGE	6M7L-01	
16.	3T0051	CS	BELVOIR	IMPROVED HAND HELD MINE DETECTOR	6M7L-01	
17.	3T0055	CS	BELVOIR	TACTICAL OBSTACLE MARKING SYSTEM (TOMS)	6M7L-01	
18.	3T0056	CS	BELVOIR	REACTIVE FRAGMENT MINE NEUTRALIZATION SYSTEM (FRAG	6M7L-01	
19.	3T0057	CS	BELVOIR	WIDE-AREA NEUTRALIZATION MINE DEVICE (WAND)	6M7L-01	
20.	3T0058	CS	BELVOIR	MAGNETIC SIGNATURE SILENCING SYSTEM (MASSIS)	6M7L-01	
21.	3T0307	CS	BELVOIR	ELECTRIC EXPLOSIVE DETONATION SYSTEM	6M7L-01	
22.	5T0003	CS	BELVOIR	AIRBORNE MINEFIELD DETECTION & RECONN SYS--AMIDARS	6M7L-01	
23.	5T0006	CS	BELVOIR	SCATTERMINE RADAR (SCMR)	6M7L-01	
24.	5T0007	CS	BELVOIR	MULTIPURPOSE DETECTION SYSTEM	6M7L-01	
25.	5T0028	CS	BELVOIR	CANETIP	6M7L-01	
26.	5T0037	CS	BELVOIR	AUTOMATED COUNTERBARRIER SYSTEM	6M7L-01	
27.	5T0038	CS	BELVOIR	VEHICLE HARDENING	6M7L-01	
28.	5T0040	CS	BELVOIR	REAR AREA MINE CLEARING SYSTEM (RAMV)	6M7L-01	
29.	5T0041	CS	BELVOIR	MAN MADE OBSTAC RPT & DUP SYS (MORDS)	6M7L-01	
30.	6T0007	CS	BELVOIR	COUNTERMINE CONCEPTS - BROAD BASED TECHNICAL AREA	6M7L-01	
31.	6T0025	CS	BELVOIR	BARRIERS-BROAD BASE TECH AREA	6M7L-01	
32.	E57401	CSS	PM-MCD	PENETRATION AUGMENTATION MUNITION (PAM)	6M7L-01	
33.	E57501	CSS	PM-MCD	BRIDGE & ROAD MUNITION (BRM)	6M7L-01	
34.	E77401	CS	PM-MCD	EXPLOSIVE FOX HOLE DIGGER (EXFOD)	6M7L-01	
35.	EA3800	CS	PM-MCD	M607 PIP	6M7L-01	
36.	Q27000	CS	AMCCOM	GEMSS AUX MINE DISPNSR XM138 (FLIPPER)	6M7L-01	
37.	M17900	CS	BELVOIR	DETECTING SET, MINE, AN/PSS-12	6M7L-01	
38.	R21000	CS	PM-MCD	VEHICLEMAGETIC SIGNATURE DUP	6M7L-01	
39.	R22300	CS	PM-MCD	MINEFIELD RECONNAISSANCE AND DETECTOR SYS (M	6M7L-01	
40.	WB1038	CS	PM-MCD	IMPROVED CONVENTIONAL MINE SYSTEM (ICOMS)	6M7L-01	
41.	WC5112	CS	BELVOIR	COUNTEROBSTACLE VEHICLE (COV)	6M7L-01	
42.	1T0012	CS	BELVOIR	RIBBON BRIDGE, IMPROVED	6XE5-01	
43.	3T0002	CS	BELVOIR	TUNNEL DETECTION SYSTEM (TUDS)	6XE5-01	
44.	3T0006	CS	BELVOIR	HEAVY DRY SUPPORT BRIDGE	6XE5-01	
45.	3T0060	CC	BELVOIR	OVERHEAD COVER (OHC) FOR INDIV FIGHTING POSITION	6XE5-01	
46.	3T0066	CS	BELVOIR	DUAL ROLE BRIDGE	6XE5-01	
47.	M28500	CS	BELVOIR	TACTICAL BRIDGE ACCESS/EGRESS	6XE5-01	

lrrdpwp

This report produces an unclassified or confidential listing of all workpackages in a mission area, in PDIP increment priority.

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***** U N C L A S S I F I E D *****

DA WORKPACKAGE PRIORITY FOR EMW

	PE	PROJ	TASK	NO	TITLE	COMMAND	PDIP	PRIORITY
1.	63102	DJ01	01	1047	COMBAT ENGINEER COMPONENTS	BELVOIR	6R8B-01	
2.	63102	DJ01	02	1317	HEAVY DRY SUPPORT BRIDGE	BELVOIR	6R8B-01	
3.	63102	DJ01	02	1318	HEAVY DRY SUPPORT BRIDGE - INCREMENT	BELVOIR	6R8B-01	
4.	63606	D006	02	03347	MINE COMPONENTS (MINIMUM BAND)	ARDEC	6M7L-01	
5.	63606	D608	01	1054	BARRIER 21/ANTI-TANK OBSTACLE	BELVOIR	6M7L-01	
6.	63606	D608	02	1079	MAN-MADE OBSTACLE REPORTING AND DISPOSITION SYSTEM (MORDS)	BELVOIR	6M7L-01	
7.	63606	D608	04	1066	VEHICLE HARDENING	BELVOIR	6M7L-01	
8.	63606	D608	04	1301	VEHICLE HARDENING - INCREMENT	BELVOIR	6M7L-01	
9.	63606	D608	05	1005	CANE TIP	BELVOIR	6M7L-01	
10.	63606	D608	06	1124	GENERIC TECHNOLOGY BASE - COUNTERMINE FLAILS	BELVOIR	6M7L-01	
11.	63606	D608	07	1309	LIGHT INFANTRY MINEFIELD BREACHING SYSTEM (LIMBS)	BELVOIR	6M7L-01	
12.	63606	D608	07	1310	LIGHT INFANTRY MINEFIELD BREACHING SYSTEM (LIMBS)-IMCREMENT	BELVOIR	6M7L-01	
13.	63606	D608	08	1006	COUNTEROBSTACLE VEHICLE	BELVOIR	6M7L-01	
14.	63606	D608	11	1007	AIRBORNE MINEFIELD DETECTION & RECONNAISSANCE SYSTEM	BELVOIR	6M7L-01	
15.	63606	D608	12	1055	SARAMID	BELVOIR	6M7L-01	
16.	63606	D608	13	1304	COUNTERMINE TECH BASE	BELVOIR	6M7L-01	
17.	63606	D608	14	1057	REACTIVE FRAGMENT MINE NEUTRALIZATION SYSTEM	BELVOIR	6M7L-01	
18.	63606	D608	14	1303	REACTIVE FRAGMENT - INCREMENT	BELVOIR	6M7L-01	
19.	63606	D608	15	1074	REAR AREA MINE CLEARING SYSTEM (RAMV)	BELVOIR	6M7L-01	
20.	63606	D608	16	1023	WIDE AREA NEUTRALIZATION DEVICE (WAND)	BELVOIR	6M7L-01	
21.	63606	D608	16	1305	WIDE AREA NEUTRALIZATION DEVICE (WAND) - INCREMENT	BELVOIR	6M7L-01	
22.	63606	D608	25	1009	IMPROVED LINE CHARGE	BELVOIR	6M7L-01	
23.	63606	D608	27	1340	UNFINANCED COUNTERMINE PROGRAM	BELVOIR	6M7L-01	
24.	63606	D608	27	1341	UNFINANCED COUNTERMINE PROGRAM - INCREMENT	BELVOIR	6M7L-01	
25.	63606	D608	29	1049	IMPROVED HAND HELD MINE DETECTOR	BELVOIR	6M7L-01	
26.	63606	D608	29	1300	IMPROVED HAND HELD MINE DETECTOR- INCREMENT	BELVOIR	6M7L-01	
27.	63606	D608	30	1012	SCATTERABLE MINEFIELD DETECTION SYSTEM (SCM)	BELVOIR	6M7L-01	
28.	63606	D608	31	1067	TACTICAL OBSTACLE MARKING SYSTEM (TOMS)	BELVOIR	6M7L-01	
29.	63606	D608	31	1306	TOMS - INCREMENT	BELVOIR	6M7L-01	
30.	63606	D608	32	1013	AUTOMATED COUNTER BARRIER SYSTEM	BELVOIR	6M7L-01	
31.	63606	D608	33	1014	ADVANCED MECHANICAL MINE CLEARING DEVICE	BELVOIR	6M7L-01	
32.	63606	D608	33	1307	ADVANCED MECHANICAL MINE CLEARING DEVICE - INCREMENT	BELVOIR	6M7L-01	
33.	63606	D608	36	1081	MULTIPURPOSE DETECTION SYSTEM	BELVOIR	6M7L-01	
34.	63606	D608	48	1315	MINEFIELD IMAGE RECOGNITION & CUEING STATIONS (MIRACS)	BELVOIR	6M7L-01	
35.	63606	D608	49	1302	ADVANCED TECHNOLOGY PORTABLE MINE DETECTOR - INCREMENT	BELVOIR	6M7L-01	
36.	63606	D608	49	1314	ADVANCED TECHNOLOGY PORTABLE HANDHELD MINE DETECTOR	BELVOIR	6M7L-01	
37.	63619	D005	02	01312	ICOMS AD EFFORT (MIN)	ARDEC	6M7L-01	
38.	63619	D005	04	01303	VOLCANO AD EFFORT (MIN)	ARDEC	6M7L-01	
39.	63619	D005	05	01315	WIDE AREA MINE (WAM) AD EFFORT (MIN)	ARDEC	6M7L-01	
40.	63619	D005	CC	01374	ADVANCED MINE OBSTACLE SYSTEM AD (MIN)	ARDEC	6M7L-01	
41.	63619	D005	DD	01372	SELECTABLE LIGHTWEIGHT ATTACK MUNITION (SLAM) AD (MIN)	ARDEC	6M7L-01	
42.	63619	D005	XX	01319	CONTROLLABLE MINE SYSTEM AD EFFORT (MIN)	ARDEC	6M7L-01	
43.	63619	D606	27	01343	MINEFIELD RECONNAISSANCE AND DETECTOR SYSTEM (MIRADOR) (MIN)	ARDEC	6M7L-01	
44.	63619	D606	37	01351	MULTI-PURPOSE DETECTION SYSTEM AD (MIN)	ARDEC	6M7L-01	
45.	64612	D415	03	01339	VEHICLE MAGNETIC SIGNATURE DUPLICATOR (VEMASID) (MIN)	ARDEC	6M7L-01	
46.	64612	D415	04	01360	VEHICLE MAGNETIC SIGNATURE DUPLICATOR (VEMASID) P3I (MIN)	ARDEC	6M7L-01	
47.	64612	D415	05	01353	UNIVERSAL PORTABLE MINE DETECTOR (UPMD) AD (MIN)	ARDEC	6M7L-01	

***** U N C L A S S I F I E D *****

Fri Jul 11 1986 16:21:37

mamppdip

This report produces a confidential listing of the pdips, priorities, systems, and workpackages appropriate to a single mission area. It is our first attempt to recreate the lrrdap out of the mamp database.

expr [first pg#] | acego ../neil/mamppdip [pg letter] [code] [name]

***** S A M P L E *****

MAMP PDIP SUMMARY FOR EMW

PDIP: 6XM6 Title: TOPO SPT EQUIPMENT DA/TRADOC Mission Areas: CS / EMW Proponent: ENS

SYSTEM AND RELATED PROJECT TITLES		PROCUREMENT/RDTE SCHEDULE	
		86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01	BDP
Increment: 6XM6-01 Priority: 0.00			
*** Development Systems ***			
KA2550 DIGITAL TOPOGRAPHIC SPT SY (DTSS)	CSS / EMW	*********	2348
KA2551 QUICK RESPONSE MULTI COLOR PRINTER	CSS / EMW	**********	1448
63712 D580 BELVOIR FIELD ARMY MAPPING		+++	
64716 D579 BELVOIR QUICK REACTION MULTICOLOR PRINTER		++++++++++++++++++++	
3TO112 FIELD ARMY MAPPING SYSTEMS (DTSS)	CS / EMW		993
Increment: 6XM6-02 Priority: 0.00			
*** Development Systems ***			
KA2551 QUICK RESPONSE MULTI COLOR PRINTER	CSS / EMW	^^^^^^^^^	1448
Increment: 6XM6-03 Priority: 0.00			
*** Development Systems ***			
KA2550 DIGITAL TOPOGRAPHIC SPT SY (DTSS)	CSS / EMW	^^^^^^^^^	2348

Legend:
***/^^^ - Funded/Unfunded Procurement
+++/--- - Funded/Unfunded RDTE

pdipcom

This unclassified report summarizes the systems in a mission area by the commodity line that they belong to. It is like the commodity summary, but it is intended to be used to help structure future pdip submissions

expr [first pg#] | acego ../neil/pdipcom [pg letter] [code] [name] [class]

AIR DROP PDIP COMMODITY SUMMARY FOR CSS

Acquisition Strategy THIS LINE CONTAINS SYSTEMS FOR AIRDROP OF PERSONNEL (MASS ASSUALT AND SOF), WEAPONS SYSTEMS AND HEAVY EQUIPMENT/VEHICLES AND SUPPLIES (FOOD, AMMO, FUEL) DEEP BEHIND ENEMY LINES WHERE CONVENTIONAL MEANS OF DELIVERY/RE-SUPPLY ARE IMPOSSIBLE TO EMPLOY. DEVELOPMENTAL SYSTEMS WILL ALLOW AIRDROP TO BE CONDUCTED AT MUCH LOWER ALTITUDES (1200 TO 300 FT) THEREBY REDUCING AIRCRAFT VULNERABILITY, INCREASED PAYLOAD UP TO 60,000 LBS (AS COMPARED TO 35,000 LBS AT PRESENT), REDUCED RIGGING TIME AND LABOR AND ELIMINATOR OF PAPER HONEYCOMB THRU SOFT LANDING SYSTEMS AND DIVE-ON/DIVE-OFF CAPABILITY, REDUCED

	SYSTEM TITLES AND BDP DEFICIENCIES		PDIP	PROCUREMENT/RDTE SCHEDULE 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01	PRI/BDP
	***** DEVELOPMENT *****				
4T5006	AIRDROP CONTROLLED EXIT SYS (LINKED PLAT)	CSS / CSS	6R8P-02		1721
	NATICK 19-B 62-D 70-C 75-B 97-D 131-C 355-A			+++++++++++++++++++	
4T5022	42,000 LB AIRDROP SYSTEM	CSS / CSS	6R8P-02		978
	NATICK 62-C 75-B 82-C 97-D 131-C 332-C			++++++	
4T5019	AIRDROP SYSTEMS FOR C17 AIRCRAFT	CSS / CSS	6R8P-02		903
	NATICK 62-C 75-B 145 236-B 279-B			++++++++++-++-++-+++++++	
4T5013	HEAVY DROP RIGGING SYSTEM FOR CBT VEHICLES	CSS / CSS	6R8P-02		857
	NATICK 62-C 75-B 131-C 236-C 279-C			++++++++++++++++++++++	
4T5003	LOW ALT TACT ASSAULT PERSONNEL PARACHUTE SYS	CSS / CSS	6R8P-01		855
	NATICK 62-C 75-A			+++++-++-++++	
4T5026	ADV HIGH SPEED REIROROCKET SYSTEM	CSS / CSS	6R8P-01		739
	NATICK 75-B 77-C 93-C 145 332-C			+++++-+++++++	
4T5014	LOW ALTITUDE RETROROCKET AIRDROP SYSTEM	CSS / CSS	6R8P-02		739
	NATICK 75-B 77-C 93-C 278 313 332-C			++++++++++-+++++++	
4T5012	AIR DELIV SYS FOR HIGH CONSUMP CBT SUPPLIES	CSS / CSS	6R8P-02		676
	NATICK 19-C 70-C 83-D 97-D 131-C			++++++	
4T5009	DROP ZONE ASSEMBLY SYSTEMS	CSS / CSS	6R8P-01		232
	NATICK 355-A			+-++++++++	
	***** TECHNOLOGY DEMONSTRATORS *****				
5T5025	CARGO OFFSET DELIVERY PLATFORM	CSS / CSS	6R8P-02		494
	NATICK 62-C 73-C 131-C			+++++++++	
	***** BROAD BASE TECHNICAL AREAS *****				
6T5002	AIRDROP TECHNOLOGY	CSS / CSS	6R8P-02		1399
	NRDEC 19-C 62-D 73-C 75-C 76-C 77-C 97-D				
6T5028	STEALTH AERIAL FIRE SUPPORT WEAPON SYSTEM	CSS / CSS	-		0
	NATICK				

Legend:
*** - Funded Procurement
+++ - Funded RDTE
--- - Unfunded RDTE
~ - LRRDAP Priority

pdipcomda

This version of pdipcom includes the workpackages uniquely linked to the systems within a single pdip, and shows funding dollars for the planning years.

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AIR DROP PDIP COMMODITY DECISION AID FOR CSS
WITH CUMULATIVE TOTALS (RTDE/PROC)

Acquisition Strategy. THIS LINE CONTAINS SYSTEMS FOR AIRDROP OF PERSONNEL (MASS ASSUALT AND SOF), WEAPONS SYSTEMS AND HEAVY EQUIPMENT/VEHICLES AND SUPPLIES (FOOD, AMMO, FUEL) DEEP BEHIND ENEMY LINES WHERE CONVENTIONAL MEANS OF DELIVERY/RE-SUPPLY ARE IMPOSSIBLE TO EMPLOY DEVELOPMENTAL SYSTEMS WILL ALLOW AIRDROP TO BE CONDUCTED AT MUCH LOWER ALTITUDES (1200 TO 300 FT) THEREBY REDUCING AIRCRAFT VULNERABILITY, INCREASED PAYLOAD UP TO 60,000 LBS (AS COMPARED TO 35,000 LBS AT PRESENT), REDUCED RIGGING TIME AND LABOR AND ELIMINATOR OF PAPER HONEYCOMB THRU SOFT LANDING SYSTEMS AND DIVE-ON/DIVE-OFF CAPABILITY, REDUCED

SSN	TITLE	DA/TDC MA	PDIP	87	88	89	90	91	92	93
4T50061	AIRDROP CONTROLLED EXIT SYS (LINKED PLAT	CSS / CSS	6R8P-02		(Procurement Funds Not Scheduled)					
+ 1721	19-B 62-D 70-C 75-B 97-D 131-C 255-A									
	1 63218 D242 04 D242-04 NATICK Crit: 1			425						
	ADVANCED PARACHUTE RELEASES FOR CARGO AIRDROP SYST		6R8P-01							
	2 64218 D279 22 D279-22 NATICK Crit: 1			696	400					
	60,000 LB CAPACITY LINKED PLATFORM AIRDROP SYSTEM		6R8P-01							
	3 64218 D279 28 D279-28 NATICK Crit: 1			400	20					
	AIRDROP CONTROLLED EXIT SYSTEM (LINKED PLATFORMS)		6R8P-01							
	4 64218 D279 2Z D279-2Z NATICK Crit: 1				400	500	500	514		
	ADVANCED PARACHUTE RELEASES FOR CARGO AIRDROP SYST		6R8P-01							
	Cumulative Totals Procurement Funded:			0	0	0	0	0	0	0
	RDTE Funded:			1521	820	500	500	514	0	0
6T50021	AIRDROP TECHNOLOGY	CSS / CSS	6R8P-02		(Procurement Funds Not Scheduled)					
+ 1399	19-C 62-D 73-C 75-C 76-C 77-C 97-D									
	Cumulative Totals: Procurement Funded:			0	0	0	0	0	0	0
	RDTE Funded:			1521	820	500	500	514	0	0
4T50221	42,000 LB AIRDROP SYSTEM	CSS / CSS	6R8P-02		(Procurement Funds Not Scheduled)					
+ 978	62-C 75-B 82-C 97-D 131-C 332-C									
	1 64218 D279 29 D279-29 NATICK Crit: 1			50						
	42,000 LB CAPACITY AIRDROP SYSTEM		6M70-01							
	Cumulative Totals. Procurement Funded.			0	0	0	0	0	0	0
	RDTE Funded:			1571	820	500	500	514	0	0
4T50191	AIRDROP SYSTEMS FOR C17 AIRCRAFT	CSS / CSS	6R8P-02		(Procurement Funds Not Scheduled)					
+ 903	62-C 75-B 145- 236-B 279-B									
	1 63218 D242 05 D242-05 NATICK Crit: 1			150	400	500	750	870	1004	1621
	AIRDROP COMPONENT TECHNOLOGY FOR ADVANCED CARGO SY		6R8P-01							
	2 63218 D242 2X D242-2X NATICK Crit: 1				600	926				
	HIGH SPEED LOW ALTITUDE CDS FOR C17		6R8P-01							
	3 63218 D242 2X D242-X2 NATICK Crit: 1									
	HIGH SPEED LOW ALTITUDE CDS FOR C17		6R8P-04			(834)				

Legend:
~ - LRRDAP Priority
+ - BDP Rating Score

pdipsys

This report produces an unclassified crossreference of systems to PDIP increments, for a mission area. Systems are grouped in PDIP order.

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****** S A M P L E ******

PDIP TO EMW SYSTEM CROSS REFERENCE

PDIP	INCR	PRIORITY	SSN	DA MA	TDC MA/PROP		PDIP/SYSTEM TITLE	COMMAND
3W8W				IM	SOF	JFK	SOF FORWARD DEPLOYED	
	01	0.00						
			MA8050	CS	EMW	ENS	ITEMS LESS THAN $2.0M (CSS-EQ)	BELVOIR
4S6A				CSS	CSS	LOG	LUPS	
	01	0.00						
			R04800	CS	EMW	ENS	SMALL EMPLACEMENT EXCAVATOR (SEE)	TACOM
6M70				CSS	CSS	QMS	CBT SVC SPT EQ RDTE	
	01	0.00						
			3T0097	CSS	EMW	ENS	INTEGRATED CHEMICAL FILTER ENVIORNMENTAL EQUIP-ICE	BELVOIR
6M72				MAS	AMC	AMC	RDTE MANAGEMENT ACTY	
	01	0.00						
			3T0062	CS	EMW	ENS	MACI COMML CONST EQUIP (CCE)	BELVOIR
			3T0063	CS	EMW	ENS	MACI HYDRAULIC SYS & COMP	BELVOIR
			3T0064	CS	EMW	ENS	CONSTRUCTION & COMBAT SUPPORT EQUIPMENT	BELVOIR
			3T0065	CS	EMW	ENS	MACI-HIGH SPEED EXCAVATOR	BELVOIR
6M7F				CSS	CSS	MPS	PHY SEC EQ DEV & ACQ	
	04	0.00						
			MA8050	CS	EMW	ENS	ITEMS LESS THAN $2.0M (CSS-EQ)	BELVOIR
6M7L				CS	EMW	ENS	MINES/COUNTERMINES	
	01	0.00						
			3T0046	CS	EMW	ENS	ADVANCED MINE CLEARING SYS	BELVOIR
			3T0048	CS	EMW	ENS	LIGHT INFANTRY MINEFIELD BREACHING SYSTEM (LIMBS)	BELVOIR
			3T0049	CS	EMW	ENS	IMPROVED LINE CHARGE	BELVOIR
			3T0051	CS	EMW	ENS	IMPROVED HAND HELD MINE DETECTOR	BELVOIR
			3T0055	CS	EMW	ENS	TACTICAL OBSTACLE MARKING SYSTEM (TOMS)	BELVOIR
			3T0056	CS	EMW	ENS	REACTIVE FRAGMENT MINE NEUTRALIZATION SYSTEM (FRAG	BELVOIR
			3T0057	CS	EMW	ENS	WIDE-AREA NEUTRALIZATION MINE DEVICE (WAND)	BELVOIR
			3T0058	CS	EMW	ENS	MAGNETIC SIGNATURE SILENCING SYSTEM (MASSIS)	BELVOIR
			3T0307	CS	EMW	ENS	ELECTRIC EXPLOSIVE DETONATION SYSTEM	BELVOIR
			5T0003	CS	EMW	ENS	AIRBORNE MINEFIELD DETECTION & RECONN SYS--AMIDARS	BELVOIR
			5T0006	CS	EMW	ENS	SCATTERMINE RADAR (SCMR)	BELVOIR
			5T0007	CS	EMW	ENS	MULTIPURPOSE DETECTION SYSTEM	BELVOIR
			5T0028	CS	EMW	ENS	CANETIP	BELVOIR
			5T0037	CS	EMW	ENS	AUTOMATED COUNTERBARRIER SYSTEM	BELVOIR
			5T0038	CS	EMW	ENS	VEHICLE HARDENING	BELVOIR

****** S A M P L E ******

pom89cum

This report presents the detailed pdip by pdip itemized listing of systems and workpackages uniquely linked to those systems. It gets its order from the pom89 data files.

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***** S A M P L E *****

MINES/COUNTERMINES (6M7L-01)
POM 89 PDIP-INCREMENT BREAKOUT FOR EMW
WITH CUMULATIVE TOTALS (RTDE/PROC)

Acquisition Strategy:

SSN	TITLE	DA/TDC MA	PDIP	87	88	89	90	91	92	93
3T0046	ADVANCED MINE CLEARING SYS	CS / EMW	6M7L-01		(Procurement Funds Not Scheduled)					
0	29-D 41-E 86-E 307-E 313-D									
	1. 63606 D608 06 1124 BELVOIR Crit: 1									
	GENERIC TECHNOLOGY BASE - COUNTERMINE FLAILS		6M7L-01							
	2. 63606 D608 33 1307 BELVOIR Crit: 1									
	ADVANCED MECHANICAL MINE CLEARING DEVICE - INCREME		6M7L-01					(548)		
	Cumulative Totals: Procurement Funded:			0	0	0	0	0	0	0
	RDTE Funded:			0	0	0	0	0	0	0
3T0048	LIGHT INFANTRY MINEFIELD BREACHING SYSTE	CS / EMW	6M7L-01		(Procurement Funds Not Scheduled)					
0	29-C 41-B 86-D 145-B 313-D 327-A									
	1. 63606 D608 07 1309 BELVOIR Crit: 1					440	2500		750	
	LIGHT INFANTRY MINEFIELD BREACHING SYSTEM (LIMBS)		6M7L-01							
	2. 63606 D608 07 1310 BELVOIR Crit: 1									
	LIGHT INFANTRY MINEFIELD BREACHING SYSTEM (LIMBS)-		6M7L-01					(2450)		
	Cumulative Totals: Procurement Funded:			0	0	0	0	0	0	0
	RDTE Funded:			0	0	440	2500	0	750	0
3T0049	IMPROVED LINE CHARGE	CS / EMW	6M7L-01		(Procurement Funds Not Scheduled)					
0	29-C 41-B 86-D 145-B 313-D 327-B									
	1. 63619 D606 08 01350 ARDEC Crit: 1									
	IMPROVED LINE CHARGE		6M7L-01							
	Cumulative Totals: Procurement Funded:			0	0	0	0	0	0	0
	RDTE Funded:			0	0	440	2500	0	750	0
3T0051	IMPROVED HAND HELD MINE DETECTOR	CS / EMW	6M7L-01		(Procurement Funds Not Scheduled)					
0	29-D 41-B 86-E 145-C 307-B 313-D 315-C									
	1. 63606 D608 29 1049 BELVOIR Crit: 1					2800				800
	IMPROVED HAND HELD MINE DETECTOR		6M7L-01							
	2. 63606 D608 29 1300 BELVOIR Crit: 1									
	IMPROVED HAND HELD MINE DETECTOR- INCREMENT		6M7L-01				(7800)	(9000)	(2500)	
	3. 63606 D608 49 1302 BELVOIR Crit: 2									
	ADVANCED TECHNOLOGY PORTABLE MINE DETECTOR - INCRE		6M7L-01				(6600)	(8100)	(4600)	

***** S A M P L E *****

Thu Aug 7 1986 12:31:28

priorsys

This report produces an unclassified listing of the development systems for a single mission area in bdp priority order. All base case systems are placed at the top of the list.

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CSS 1-N DEVELOPMENT SYSTEM BDP RANKING

	SSN	DA MA	AMC MGR	TITLE	#DEF	#A	#B	#C	#D	#E	#X	BL	RATING
1.	K51600	CSS	PM-TMDE	CONTACT TEST SET	8	1	2	5	0	0	0	0	base case
2.	082500	CSS	TACOM	RECOVERY VEHICLE, MED, FT, M88A1, MOD	7	1	1	2	2	1	0	0	base case
3.	M87001	CSS	PM-TMDE	TMDE FOR STE/ICE	6	0	5	1	0	0	0	0	base case
4.	M87003	CSS	PM-TMDE	CORE ELECTRONIC AUTO TEST (STE-X)	5	0	5	0	0	0	0	0	base case
5.	M48800	CSS	BELVOIR	TRUCK, FORK LIFT, DE, PT, RT, 10000 LB	3	1	0	0	2	0	0	0	base case
6.	M11200	CSS	BELVOIR	LOGISTIC SUPPORT VESSEL (LSV)	2	0	2	0	0	0	0	0	base case
7.	M34200	CSS	BELVOIR	LANDING, CRAFT, UTILITY	2	0	2	0	0	0	0	0	base case
8.	D14001	CSS	TACOM	TRUCK, BOLSTER, 5 TON, 6X6	4	0	0	3	0	1	0	0	base case
9.	M61500	CSS	AMCCOM	SHOP EQ CONTACT MAINTENACE TRK MTD (MYP)	2	0	1	1	0	0	0	0	base case
10.	M61900	CSS	AMCCOM	SHOP EQUIPMENT, ORG REPAIR, TRK MTD	2	0	1	1	0	0	0	0	base case
11.	D06800	CSS	TACOM	TRAILER TANK WATER 400G 1 1/2T 2W M149A1	2	0	1	1	0	0	0	0	base case
12.	MA5120	CSS	PM-PWL	SWA PETROLEUM DISTRIBUTION SYSTEM	1	0	1	0	0	0	0	0	base case
13.	MA4021	CSS	PM-PWL	WATER PURIFICATION UNIT, REV OSMOSIS, 600 GPH	2	0	1	1	0	0	0	0	base case
14.	M87600	CSS	NATICK	LAUNDRY UNIT/TRL MTD	1	1	0	0	0	0	0	0	base case
15.	R09900	CSS	BELVOIR	CAUSEWAY, FLOATING	4	0	0	2	0	0	0	2	base case
16.	M34300	CSS	BELVOIR	AIR CUSHION VEHICLE, 25-30 TON	2	0	0	2	0	0	0	0	base case
17.	M62700	CSS	AMCCOM	WELDING SHOP, TRAILER MTD	2	0	0	2	0	0	0	0	base case
18.	M19000	CSS	PM-PWL	TANK ASSEMBLY FAB COLL POL 50000 G	1	0	1	0	0	0	0	0	base case
19.	M27400	CSS	PM-PWL	TACTICAL WATER DISTR SYS	1	0	1	0	0	0	0	0	base case
20.	M86600	CSS	NATICK	FIELD KITCHEN, MOBILE, TRL MTD.	1	0	1	0	0	0	0	0	base case
21.	R18800	CSS	PM-PWL	ARCTIC FORWARD AREA REFUELING	1	0	0	1	0	0	0	0	base case
22.	R18900	CSS	PM-PWL	ARCTIC FUEL SYSTEM SUPPLY POINT	1	0	0	1	0	0	0	0	base case
23.	MA1100	CSS	PM-AMMOLOG	LOG UNIT PROD-UNIT PROD/TRANS	1	0	0	1	0	0	0	0	base case
24.	R21400	CSS	BELVOIR	TANK ASSY, FAB COLLAPS, 20,000 GAL POL	1	0	1	0	0	0	0	0	base case
25.	A39900	CSS	NATICK	TRANSPORTABLE HELICOPTER ENCLOSURE (THE)	0	0	0	0	0	0	0	0	base case
26.	M03400	CSS	BELVOIR	HALON RECHARGE SERVICE KIT	0	0	0	0	0	0	0	0	base case
27.	M47400	CSS		TRUCK, FORK LIFT, GE, PT, 4000 LB	0	0	0	0	0	0	0	0	base case
28.	M62300	CSS	PM-PWL	TANK/PUMP UNIT LIQ DISP F/TRK MOUNTING	0	0	0	0	0	0	0	0	base case
29.	MA5175	CSS	TACOM	HOST NATION SUPPORT - EUROPE	0	0	0	0	0	0	0	0	base case
30.	5M2000	CC	TACOM	ARMORED FAMILY OF VEHICLES (AFV)	6	4	2	0	0	0	0	0	3560.00
31.	WD3304	CSS	TACOM	CBT LOG VEH	15	1	4	7	3	0	0	0	3309.20
32.	5L0003	CSS	PM-AMLOG	AMMUNITION LOGISTICS	15	2	3	4	5	1	0	0	3071.80
33.	5M2019	CSS	TACOM	AFV - AMMO RESUPPLY (REARM)	12	2	3	3	2	2	0	0	2937.50
34.	5M2020	CSS	TACOM	AFV - REFUEL VEHICLE	11	2	3	2	3	1	0	0	2835.20
35.	6C0001	CSS	PM-TMDE	DIAGNOSTICS, PROGNOSTICS, AND ATE TECHNOLOGY	11	2	5	3	1	0	0	0	2813.00
36.	5M2023	CSS	TACOM	AFV-RECOVERY VEHICLE (M88 FOLLOW-ON)	9	2	3	1	2	1	0	0	2694.20
37.	2M2001	CSS	TACOM	ARMORED MAINTENANCE VEHICLE (NEAR TERM)	12	1	3	3	5	0	0	0	2549.60
38.	5M2022	CC	TACOM	AFV/ARMORED MAINTENANCE VEHICLE (AMV)	13	1	3	2	7	0	0	0	2457.20
39.	4T5334	CSS	NATICK	CLOTHING/LIFE SUPPORT EQUIP, INTEGRATED, CB PROT	8	1	3	3	1	0	0	0	2352.20
40.	3R0102	CSS	MRDEC	MEDICAL DEVELOPMENT SYSTEM	13	1	3	1	2	6	0	0	2230.40
41.	6R0101	CSS	MRDEC	MEDICAL TECH BASE SYSTEM	13	1	3	1	2	6	0	0	2238.40
42.	BI5270	CSS	CECOM	TMDE MODERNIZATION	10	1	3	5	1	0	0	0	2212.80
43.	K18400	CSS	PM-TMDE	BASE SHOP TEST FACILITY	10	1	3	6	0	0	0	0	2131.60
44.	3C0005	CSS	PM-TMDE	TEST PROGRAM SET (TPS) STANDARDS & TOOLS	8	2	2	3	1	0	0	0	2121.80
45.	5M2030	CSS	TACOM	AFV-BATTALION AID STATION (BAS AID)	9	2	1	1	3	2	0	0	2116.70
46.	5M2021	CSS	TACOM	AFV-MEDICAL EVACUATION VEHICLE	9	2	1	1	3	2	0	0	1987.90
47.	6L0002	CSS	PM-AMLOG	AMMO PACKAGING TECHNOLOGY DEMO	16	0	2	6	7	1	0	0	1953.60

priortb

This report produces a workpackage 1 to N list similar to priorwp, except that only tech base (6.1, 6.2, and 6.3A) workpackages are shown. The workpackages are those linked to systems in the system control file.

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BDP TECH BASE WORKPACKAGE RANKINGS
FOR EMW

	PE	PROJ	TASK	NO	TITLE	COMMAND	RATING	# SYS
1.	62601	AH91	01	ZE110	LOGISTICAL SUPPORT TECHNOLOGY	TACOM	180323.91	10
2.	62601	AH91	55	R55001	VETRONICS TECHNICAL AREA	TACOM	93772.45	14
3.	63631	D424	67	RC58500	ADVANCED TRACK & SUSPENSION TECHNOLOGY	TACOM	83459.97	11
4.	62601	AH91	58	R55002	VETRONICS/V(INT)-2/BATTLEFIELD MANAGEMENT SYSTEM	TACOM	77724.20	14
5.	63631	D014	62	R55401	BATTLEFIELD DIAGNOSTIC/PROGNOSTIC TECHNOLOGY	TACOM	71995.23	12
6.	63621	DQ07	69	R5771	LIGHT MOBILITY PLATFORM - A (SIPS)	TACOM	65394.98	8
7.	62601	AH91	65	RC56600	TRACK & SUSPENSION TECHNOLOGY	TACOM	64322.71	14
8.	63631	D424	67	RC57900	LIGHT MOBILITY PLATFORM - C (TRACK & SUSPENSION)	TACOM	63252.73	11
9.	63631	D424	67	RC57901	LIGHT MOBILITY PLATFORM - C (TRACK & SUSPENSION) (UNFUNDED)	TACOM	61229.98	11
10.	63631	D424	67	RC57500	MEDIUM MOBILITY PLATFORM - C (TRACK & SUSPENSION)	TACOM	57535.98	9
11.	63621	DQ07	69	R578	MOBILITY INTEGRATION 6.3	TACOM	54704.48	11
12.	62601	AH91	43	403	LIFE SUPPORT SYSTEMS TECHNOLOGY	TACOM	53563.98	9
13.	62601	AH91	43	405	LIFE SUPPORT SYSTEMS TECHNOLOGY	TACOM	53563.98	9
14.	62733	AH20	V	5021	MOBILITY FUELS, LUBRICANTS & DETERIORATION PREVENTION	BELVOIR	48404.22	33
15.	63631	D014	57	NK09	V(INT)-2/BATTLEFIELD MANAGEMENT SYSTEM	TACOM	44241.73	13
16.	63631	D014	57	R55201	V(INT)-2/BATTLEFIELD MANAGEMENT SYSTEM	TACOM	43590.24	13
17.	63606	D608	16	1023	WIDE AREA NEUTRALIZATION DEVICE (WAND)	BELVOIR	43012.00	2
18.	63606	D608	08	1006	COUNTEROBSTACLE VEHICLE	BELVOIR	42195.50	3
19.	62733	AH20	01	1003	COUNTERMINE EXPLORATORY DEVELOPMENT	BELVOIR	41753.99	4
20.	63631	D014	59	R55102	VETRONICS TECHNOLOGY AREA	TACOM	39131.24	9
21.	63631	D014	44	404	LIFE SUPPORT SYSTEMS DEMONSTRATION	TACOM	39077.49	9
22.	61102	AH51	F	5020	MOBILITY FUELS, LUBRICANTS & CORROSION RESEARCH	BELVOIR	37282.48	25
23.	63606	D608	01	1034	BARRIER 21/ANTI-TANK OBSTACLE	BELVOIR	37254.99	3
24.	63640	D543	A1	033L3	UNIVERSAL TANK AMMUNITION PACKAGING (QALS)	ARDEC	36409.99	4
25.	63640	D543	A1	033L7	AMMO PACKAGING/HANDLING SYSTEM (APHS) FOR COMVAT	ARDEC	35600.00	1
26.	62105	AH84	03	3207	CHEMICAL PROTECTION	LABCOM	35594.49	10
27.	62601	AH91	26	RR150	ADVANCED GROUND VEHICLE TECHNOLOGY (AGVT) FOLLOW-ON	TACOM	33657.99	5
28.	63606	D608	11	1007	AIRBORNE MINEFIELD DETECTION & RECONNAISSANCE SYSTEM	BELVOIR	33320.00	1
29.	63606	D608	48	1315	MINEFIELD IMAGE RECOGNITION & CUEING STATIONS (MIRACS)	BELVOIR	33320.00	1
30.	63606	D608	05	1005	CANE TIP	BELVOIR	31402.00	2
31.	63606	D608	27	1340	UNFINANCED COUNTERMINE PROGRAM	BELVOIR	29792.99	5
32.	63606	D608	27	1341	UNFINANCED COUNTERMINE PROGRAM - INCREMENT	BELVOIR	29792.99	5
33.	63631	D014	61	R55301	SECURED LIGHTING	TACOM	29319.74	14
34.	63606	D608	30	1012	SCATTERABLE MINEFIELD DETECTION SYSTEM (SCM)	BELVOIR	29277.00	3
35.	62601	AH91	26	RR120	COMPUTER AIDED REMOTE DRIVING (CARD)	TACOM	26922.50	5
36.	62601	AH91	26	RR140	ROBOTIC VEHICLE VISION TECHNOLOGY	TACOM	26922.50	5
37.	62601	AH91	26	RR180	ROBOTIC VEHICLE COMMUNICATION TECHNOLOGY	TACOM	26922.50	5
38.	63104	D150	01	5004	FIRE-RESISTANT FUEL TESTING WITH EQUIPMENT	BELVOIR	26445.49	23
39.	63102	DJ01	01	1047	COMBAT ENGINEER COMPONENTS	BELVOIR	25410.99	5
40.	63606	D608	02	1079	MAN-MADE OBSTACLE REPORTING AND DISPOSITION SYSTEM (MORDS)	BELVOIR	25075.00	3
41.	63640	D543	A1	033L4	GENERIC LP RESUPPLY VEHICLE	ARDEC	24259.00	2
42.	63606	D608	25	1009	IMPROVED LINE CHARGE	BELVOIR	23649.00	2
43.	63104	D150	06	5005	FIELD FUEL QUALITY MONITOR TEST	BELVOIR	22529.49	25
44.	62705	AH94	11	5019	THERMOELECTRIC GENERATOR - IPECS	LABCOM	22260.00	2
45.	63104	D150	09	5008	FUEL PRETREATMENT UNIT	BELVOIR	21604.49	24
46.	62601	AH91	35	ZS271	MILITARY VEHICLE DESIGN/PERFORMANCE OPTIMIZATION	TACOM	20879.99	10

priorwp

This report produces an unclassified listing of the workpackages for a single mission area in bdp priority order. (6.3, 6.4, and 6.7)

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CSS I-N WORKPACKAGE BDP RANKINGS

	PE	PROJ	TASK	NO	TITLE	COMMAND	RATING	# SYS
1.	63640	D543	A1	00306	BATTLEFIELD RESUPPLY	ARDEC	48290.24	9
2.	63209	DB33	10	RTL3078	IN-HOUSE CARGO HANDLING EQUIPMENT	AVSCOM	43941.98	6
3.	63209	DB32	04	RTL3076	IN-HOUSE GROUND SUPPORT EQUIPMENT	AVSCOM	42569.99	5
4.	63640	D543	A1	033L3	UNIVERSAL TANK AMMUNITION PACKAGING (GALS)	ARDEC	36044.75	4
5.	63640	D543	A1	033L7	AMMO PACKAGING/HANDLING SYSTEM (APHS) FOR COMVAT	ARDEC	35600.00	1
6.	63747	D669	8V	D669-8V	POL RESISTANT CHEM PROT TACTILE GLOVE	NATICK	33808.00	2
7.	64713	DL40	0Y	DL40-0Y	INDIVIDUAL SOLDIER MICROCLIMATE COOLING SYSTEM	NATICK	33808.00	2
8.	64713	DL40	1Z	DL40-1Z	POL RESISTANT CHEMICAL PROTECTIVE GLOVE	NATICK	33808.00	2
9.	64717	DL41	16	2042	IMPROVED REFUELING SYSTEM	PM-PWL	33372.00	2
10.	63747	D669	3Z	D669-3Z	INTEGRATED PROTECTIVE CLOTHING SYSTEM FOR GROUND TROOPS	NATICK	32110.00	2
11.	63747	D669	40	D669-40	OVERBOOT, MULTI-PURPOSE, RAIN/SNOW/CP (MULO)	NATICK	32110.00	2
12.	63640	D543	A1	00309	ROBOTIC AMMUNITION RESUPPLY VEHICLE (RARV)	ARDEC	30046.50	2
13.	64746	DL59	01	L590101	IFTE TPS IN HOUSE	CECOM	28626.00	2
14.	64746	DL59	01	L590102	IFTE TPS FSED	CECOM	28626.00	2
15.	64746	DL59	01	L590103	IFTE TPS PROGRAM SUPPORT	CECOM	28626.00	2
16.	64746	DL59	01	L590104	IFTE TPS	CECOM	28626.00	2
17.	63748	DJ28	01	J280103	ATSE LCSE SUPPORT (I)	CECOM	28130.00	1
18.	63748	DJ28	02	J280202	ATSE LCSE	CECOM	28130.00	1
19.	63748	DJ28	02	J280203	ATSE NETWORKING	CECOM	28130.00	1
20.	63748	DJ28	03	J280301	PIN ELECTRONICS	CECOM	28130.00	1
21.	63748	DJ28	03	J280302	INFRARED DIAGNOSTICS	CECOM	28130.00	1
22.	63748	DJ28	03	J280305	SPREAD SPECTRUM TESTING TECHNOLOGY	CECOM	28130.00	1
23.	63748	DJ28	04	J280402	BIT REQUIREMENTS ANALYSIS MODEL (BRAN)	CECOM	28130.00	1
24.	63748	DJ28	04	J280403	TEST SUPPORT ANALYSIS MODEL (TSAM) II, II & IV	CECOM	28130.00	1
25.	63747	D669	1Y	D669-1Y	INDIVIDUAL SOLDIER MICROCLIMATE COOLING SYSTEM	NATICK	27816.00	2
26.	64713	DL40	1V	DL40-1V	LIGHT FIGHTER CHEMICAL PROTECTIVE ENSEMBLE (LITE PROTECTOR)	NATICK	27090.00	2
27.	64713	DL40	1V	DL40U1V	LIGHT FIGHTER CHEMICAL PROTECTIVE ENSEMBLE (LITE PROTECTOR)	NATICK	27090.00	2
28.	63104	D150	01	5004	FIRE-RESISTANT FUEL TESTING WITH EQUIPMENT	BELVOIR	26445.49	23
29.	63747	D669	7W	D669-7W	LIGHT FIGHTER CHEMICAL PROTECTIVE ENSEMBLE (LITE PROTECTOR)	NATICK	25306.00	2
30.	63640	D543	A1	033L4	GENERIC LP RESUPPLY VEHICLE	ARDEC	24259.00	2
31.	63747	D669	35	D669-35	GROUND/AIR MICROCLIMATE COOLING SYSTEM	NATICK	23522.00	1
32.	63747	D669	6Z	D669-6Z	INTEGRATED COMBAT VEHICLE CREWMAN CLOTHING SYSTEM	NATICK	23522.00	1
33.	63747	D669	7U	D669-7U	TOXIC AGENT AND CHEMICAL HANDLER SYSTEM	NATICK	23522.00	1
34.	63747	D669	8V	D669U8V	POL RESISTANT CHEM PROT TACTILE GLOVE	NATICK	23522.00	1
35.	63747	D669	8W	D669-8W	INTEGRATED LIGHTWEIGHT COMBAT BOOT	NATICK	23522.00	1
36.	63747	D669	8W	D669U8W	INTEGRATED LIGHTWIEGHT COMBAT BOOT	NATICK	23522.00	1
37.	63747	D669	8Y	D669-8Y	IMPERMEABLE CHEMICAL PROTECTIVE SUIT	NATICK	23522.00	1
38.	63747	D669	9V	D669-9V	ADVANCED INTEGRATED COMBAT UNIFORM FOR GROUND TROOPS	NATICK	23522.00	1
39.	63747	D669	9W	D669-9W	ADVANCED INTEGRATED HANDWEAR, CW/BALLISTIC PROTECTIVE	NATICK	23522.00	1
40.	63747	D669	9X	D669-9X	MANEUVER ARM TACTICAL PROTECTIVE SYSTEM	NATICK	23522.00	1
41.	63747	D669	9Z	D669-9Z	INTEGRATED (CB PROT) CVC HELMET SYSTEM	NATICK	23522.00	1
42.	64713	DL40	0W	DL40-0W	INTEGRATED COMBAT VEHICLE CREWMAN CLOTHING SYSTEM	NATICK	23522.00	1
43.	64713	DL40	0W	DL40U0W	INTEGRATED COMBAT VEHICLE CREWMAN CLOTHING SYSTEM	NATICK	23522.00	1
44.	64713	DL40	13	DL40-13	GLOVE, CHEM PROT, LIGHTWEIGHT, TACTILE	NATICK	23522.00	1
45.	64713	DL40	1U	DL40-1U	CLOTHING, PETROLEUM PROTECTIVE, EXTREME COLD WEATHER	NATICK	23522.00	1
46.	64713	DL40	1Z	DL40U1Z	POL RESISTANT CHEMICAL PROTECTIVE GLOVE	NATICK	23522.00	1
47.	64713	DL40	36	DL40-36	AIRCREW UNIFORM INTEGRATED BATTLEFIELD (AUIB)	NATICK	23522.00	1

prisysda2

This report produces an unclassified decision aid of systems in 1 to N BDP order. It includes the uniquely linked workpackages under each system.

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BDP SYSTEM RANKING DECISION AID FOR EMW
WITH CUMULATIVE TOTALS (RTDE) (continued)

SSN	TITLE	DA/TDC MA	BDP	87	88	89	90	91	92	93
3T0301	ADVANCED GENERATOR SET COMPONENTS	CSS / EMW	625							
	1. 63702 D011 26 2202 BELVOIR Crit: 1								800	800
	ADVANCED GENERATOR SET COMPONENTS									
	2. 63702 D011 26 2206 BELVOIR Crit: 1									
	ADVANCED GENERATOR SET COMPONENTS - INCREMENT								(1250)	(1500)
	Cumulative Totals:	RDTE Funded:		80921	58787	64488	66052	71287	80898	106195
		RDTE Unfunded:		28277	43800	24693	41816	43171	33668	1500
3T0007	MULTIPURPOSE DETECTION SYSTEM	CS / EMW	607							
	1. 63619 D606 37 11351 ARDEC Crit: 1						1213	2245		
	MULTI-PURPOSE DETECTION SYSTEM (RISK)									
	2. 63619 D606 23 11353 ARDEC Crit: 1							991	400	
	UNIVERSAL PORTABLE MINE DETECTOR (UPMD) (RISK)									
	3. 63606 D608 36 1081 BELVOIR Crit: 1					637	1500		2400	
	MULTIPURPOSE DETECTION SYSTEM									
	4. 63606 D608 36 1308 BELVOIR Crit: 1									
	MULTIPURPOSE DETECTION SYSTEM - INCREMENT							(2000)		
	Cumulative Totals:	RDTE Funded:		80921	58787	65125	68765	74523	83698	106195
		RDTE Unfunded:		28277	43800	24693	41816	45171	33668	1500
3T0028	CANETIP	CS / EMW	607							
	1. 64612 D415 29 01347 ARDEC Crit: 1									6272
	CANE TIP (MIN)									
	2. 64612 D415 29 11347 ARDEC Crit: 1						3238	3605	6234	
	CANE TIP (RISK)									
	3. 64612 D415 29 91347 ARDEC Crit: 1									
	CANE TIP							(2500)		
	Cumulative Totals:	RDTE Funded:		80921	58787	65125	72003	78128	89932	112467
		RDTE Unfunded:		28277	43800	24693	41816	47671	33668	1500
E57401	PENETRATION AUGMENTATION MUNITION (PAM)	CSS / SOF	593							
	1. 64612 D021 04 01328 ARDEC Crit: 1					1950	4100	3300		
	PENETRATION AUGMENTED MUNITION (PAM) ED EFFORT									
	2 63619 D607 01 01314 ARDEC Crit: 1			1407	1610					
	PENETRATION AUGMENTED MUNITION (PAM) AD EFFORT									

procpri

This report produces an unclassified or confidential listing of the systems under procurement (type classified systems) for a single mission area. The systems are listed in PDIP increment priority, and if a system appears in more than one increment, each one is listed separately.

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DA PROCUREMENT PRIORITY FOR SOF

	SSN	DA MA	AMC MSC	TITLE	PDIP	PRIORITY
1.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	FL7R-01	
2.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	FL7R-02	
3.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6XC2-01	
4.	BA930A	C3	CECOM	INIT SP/RP PARTS-TELECOM	FL6N-01	
5.	BA930A	C3	CECOM	INIT SP/RP PARTS-TELECOM	FL7J-01	
6.	BA930A	C3	CECOM	INIT SP/RP PARTS-TELECOM	5P7M-01	
7.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6M74-01	
8.	B74402	C4	CECOM	LIGHTWEIGHT DIGITAL FACSIMILE	6XG5-01	
9.	BA930A	C3	CECOM	INIT SP/RP PARTS-TELECOM	6XG5-01	
10.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6R6B-01	
11.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	FL7M-01	
12.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6M7H-01	
13.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6V3H-01	
14.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6S72-01	
15.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6S7E-01	
16.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6X4V-01	
17.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	FL7X-01	
18.	BA930A	C3	CECOM	INIT SP/RP PARTS-TELECOM	5S7H-01	
19.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6XL8-01	
20.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	3R7H-01	
21.	BA930A	C3	CECOM	INIT SP/RP PARTS-TELECOM	6S5X-01	
22.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6S5X-01	
23.	BA930A	C3	CECOM	INIT SP/RP PARTS-TELECOM	6S4K-01	
24.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6X3V-01	
25.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	FL7P-01	
26.	BL5292	C3	CECOM	ITEMS LESS THAN $2.0M (EW-C-E)	FL7P-01	
27.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6S8Y-01	
28.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6X5X-01	
29.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6XE1-01	
30.	BA930A	C3	CECOM	INIT SP/RP PARTS-TELECOM	6S5U-01	
31.	B10500	C3	CECOM	PWR SUPPLY PP-6148/U	CP6V-01	
32.	B74402	C4	CECOM	LIGHTWEIGHT DIGITAL FACSIMILE	CP6V-01	
33.	BA930A	C3	CECOM	INIT SP/RP PARTS-TELECOM	CP6V-01	
34.	BL5220	C3	CECOM	ITEMS LESS THAN $2.0M (CSC-C-E)	CP6V-01	
35.	BA930A	C3	CECOM	INIT SP/RP PARTS-TELECOM	6SQ1-01	
36.	WW529F	C4	CECOM	TACTICAL SATELLITE ECM	6SG1-01	
37.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	2SA3-01	
38.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	2SBQ-01	
39.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	FL7L-01	
40.	BA930A	C3	CECOM	INIT SP/RP PARTS-TELECOM	6S5W-01	
41.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	CP7C-01	
42.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	1S6N-01	
43.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	QP3I-01	
44.	BA930A	C3	CECOM	INIT SP/RP PARTS-TELECOM	5S4T-01	
45.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6W3C-01	
46.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6R8J-01	
47.	BA960A	C3	CECOM	INIT SP/RP PARTS-OTHER (C-E)	6R8L-01	

projects

This diagnostic report shows the contents of the project control file.

acego ../qa/projects

COMMAND	PE	PROJ	CAT	SUBCAT	CODE	NAME	TITLE
ARDEC	23751	D063	6.3	6.7	1	SOF	SOF FIRE CONTROL DEV
ARDEC	62623	AH21	6.2	6.2	1	SOF	JOINT SERVICES SMALL ARMS PROGRAM
ARDEC	62624	AH28	6.2	6.2	1	EMW	MUNITIONS TECHNOLOGY
ARDEC	63606	D006	6.3	6.3A	1	EMW	LANDMINE WARFARE DEVELOPMENT
ARDEC	63607	D627	6.3	6.3A	1	SOF	JOINT SERVICES ARMS PROGRAM (JSSAP)
ARDEC	63608	D532	6.3	6.3B	1	SOF	INDIVIDUAL SOLDIERS WEAPONS
ARDEC	63619	D005	6.3	6.3B	1	EMW	LANDMINE SYSTEMS
ARDEC	63619	D606	6.3	6.3B	1	EMW	COUNTERMINES AND BARRIERS
ARDEC	63619	D607	6.3	6.3B	1	EMW	EXPLOSIVE DEMOLITION SYSTEMS
ARDEC	63619	D607	6.3	6.3B	1	SOF	EXPLOSIVE DEMOLITION SYSTEMS
ARDEC	63619	DL01	6.3	6.3B	1	EMW	COUNTER OBSTACLE VEHICLE
ARDEC	63640	D543	6.3	6.3A	1	CSS	AMMUNITION LOGISTICS
ARDEC	64612	D021	6.3	6.4	1	EMW	EXPLOSIVE DEMOLITIONS
ARDEC	64612	D021	6.3	6.4	1	SOF	EXPLOSIVE DEMOLITIONS
ARDEC	64612	D415	6.3	6.4	1	EMW	MINE DETECTION AND NEUTRALIZATION
ARDEC	64619	D016	6.3	6.4	1	EMW	MINE SYSTEMS
ARDEC	64XXX	DTTT	6.3	6.4	1	CSS	TOOL SETS KITS AND OUTFITS
ARDEC	65810	DE65	6.3	6.5	1	CSS	MIL ADAPT COM TECH
ARDEC	65810	DE65	6.3	6.5	1	EMW	MIL ADAPT COM TECH
AVSCOM	23751	D615	6.3	6.7	1	SOF	SOF AVIATION
AVSCOM	63209	DB32	6.3	6.3B	1	CSS	GROUND SUPPORT EQUIPMENT
AVSCOM	63209	DB33	6.3	6.3B	1	CSS	CARGO HANDLING EQUIPMENT
AVSCOM	64204	DC32	6.3	6.4	1	CSS	GROUND SUPPORT EQUIPMENT
AVSCOM	64204	DC33	6.3	6.4	1	CSS	CARGO HANDLING EQUIPMENT
AVSCOM	65810	DE65	6.3	6.5	1	CSS	MIL ADAPT COMP TECH
BELVOIR	61102	AH51	6.1	6.1	3	BELVOIR	COMBAT SUPPORT
BELVOIR	61102	AH51	6.1	6.1	1	CSS	COMBAT SUPPORT
BELVOIR	61102	AH51	6.1	6.1	1	EMW	COMBAT SUPPORT
BELVOIR	62733	AH20	6.2	6.2	3	BELVOIR	MOBILITY EQUIPMENT TECHNOLOGY
BELVOIR	62733	AH20	6.2	6.2	1	CSS	MOBILITY EQUIPMENT TECHNOLOGY
BELVOIR	62733	AH20	6.2	6.2	1	EMW	MOBILITY EQUIPMENT TECHNOLOGY
BELVOIR	63102	DJ01	6.3	6.3A	3	BELVOIR	COMBAT ENG COMPONENTS
BELVOIR	63102	DJ01	6.3	6.3A	1	EMW	COMBAT ENG COMPONENTS
BELVOIR	63104	D150	6.3	6.3A	3	BELVOIR	FUELS AND EQUIPMENT
BELVOIR	63104	D150	6.3	6.3A	1	CSS	FUELS AND EQUIPMENT
BELVOIR	63604	D608	6.3	6.3A	3	BELVOIR	COUNTERMINE AND BARRIER DEVELOPMENT
BELVOIR	63606	D608	6.3	6.3A	1	EMW	COUNTERMINE AND BARRIER DEVELOPMENT
BELVOIR	63702	DG11	6.3	6.3B	3	BELVOIR	ADVANCED ELECTRICAL ENERGY CONCEPTS
BELVOIR	63702	DG11	6.3	6.3B	1	EMW	ADVANCED ELECTRICAL ENERGY CONCEPTS
BELVOIR	63712	D580	6.3	6.3B	3	BELVOIR	FIELD ARMY MAPPING
BELVOIR	63712	D580	6.3	6.3B	1	EMW	FIELD ARMY MAPPING
BELVOIR	63712	DT44	6.3	6.3B	3	BELVOIR	DIGITAL TOPOGRAPHIC SUPPORT SYSTEM
BELVOIR	63712	DT44	6.3	6.3B	1	EMW	DIGITAL TOPOGRAPHIC SUPPORT SYSTEM
BELVOIR	63726	D471	6.3	6.3B	3	BELVOIR	COUNTER SURVEILLANCE AND TACTICAL DECEPTION
BELVOIR	63726	DQ01	6.3	6.3B	3	BELVOIR	GENERAL SUPPORT EQUIPMENT
BELVOIR	63726	DQ01	6.3	6.3B	1	EMW	GENERAL SUPPORT EQUIPMENT
BELVOIR	63726	DQ14	6.3	6.3B	3	BELVOIR	CONTAINER DISTR EQUIP
BELVOIR	63726	DQ14	6.3	6.3B	1	CSS	CONTAINER DISTR EQUIP
BELVOIR	63726	DK39	6.3	6.3B	3	BELVOIR	GENERAL SPT EQUIPMENT
BELVOIR	63726	DK39	6.3	6.3B	1	CSS	GENERAL SPT EQUIPMENT
BELVOIR	63726	DK39	6.3	6.3B	1	EMW	GENERAL SPT EQUIPMENT
BELVOIR	63735	D605	6.3	6.3B	1	IEW	
BELVOIR	63773	D124	6.3	6.3A	1	CSS	BATTLEFIELD SUSTAINMENT
BELVOIR	638XX	DXXX	6.3	6.3B	3	BELVOIR	
BELVOIR	63LIC	DCOV	6.3	6.3A	3	BELVOIR	
BELVOIR	63LIC	DLIC	6.3	6.3A	1	SOF	LOW INTENSITY CONFLICT - NEW PROPOSED 6.3A PROGRAM
BELVOIR	63XXX	DX33	6.3	6.3A	3	BELVOIR	TACTICAL DECEPTION AND COUNTERSURVEILLANCE SYS

projindex

This report produces an unclassified listing of the projects in the project control file, for a specific mission area, as an index to the *projwkp* listing.

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expr [first pg#] | acego ../neil/projindex [pg letter] [code] [name]
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CSS FUNDED RDTE PROJECT INDEX

PE	PROJ	TITLE	COMMAND	PAGE
23735	D280	RECOVERY VEHICLE IMPROVEMENT PROGRAM	TACOM	----
23754	D420	P3I PROGRAM	CECOM	----
61102	A31B	NIGHT VISION AND ELECTRO OPTIC RESEARCH	CECOM	----
61102	AF22	RESEARCH IN VEHICLE MOBILITY	TACOM	----
61102	AH51	COMBAT SUPPORT	BELVOIR	----
61102	AH52	EQUIPMENT FOR THE INDIVIDUAL SOLDIER	NATICK	----
62105	AH84	MATERIALS	LABCOM	----
62111	AH71	ATMOSPHERIC INVESTIGATIONS	LABCOM	----
62210	D283	AIRDROP TECHNOLOGY	NATICK	----
62601	AH91	TANK-AUTOMOTIVE TECHNOLOGY	TACOM	----
62705	AH94	ELECTRONICS & ELECTRON DEVICES	LABCOM	----
62723	A427	TACTICAL RIGID WALL SHELTER EXPLORATORY	NATICK	----
62723	AH98	CLOTHING AND EQUIPMENT TECHNOLOGY	NATICK	----
62724	AH99	JOINT SERVICES FOOD/NUTRITION TECHNOLOGY	NATICK	----
62733	AH20	MOBILITY EQUIPMENT TECHNOLOGY	BELVOIR	----
63104	D150	FUELS AND EQUIPMENT	BELVOIR	----
63209	DB32	GROUND SUPPORT EQUIPMENT	AVSCOM	----
63209	DB33	CARGO HANDLING EQUIPMENT	AVSCOM	----
63218	D242	AIRDROP TECHNOLOGY DEMONSTRATION	NATICK	----
63225	D266	AIRDROP EQUIPMENT AND TECHNOLOGY	NATICK	----
63624	DH06	VEHICLE MOBILITY ENHANCEMENT	TACOM	----
63640	D543	AMMUNITION LOGISTICS	ARDEC	----
63705	DK82	PHYSICAL SECURITY	PMPSE	----
63726	D428	TACTICAL RIGID WALL SHELTER ADVANCED DEV	NATICK	----
63726	D526	MARINE ORIENTED LOG EQ	PM-AWC	----
63726	DG14	CONTAINER DISTR EQUIP	BELVOIR	----
63726	DK39	GENERAL SPT EQUIPMENT	BELVOIR	----
63726	DK39	GENERAL SUPPORT EQUIPMENT	PM-PWL	----
63726	DK41	POL DISTRIBUTION SYS	PM-PWL	----
63747	D610	FOOD ADVANCED DEVELOPMENT	NATICK	----
63747	D669	CLOTHING AND EQUIPMENT	NATICK	----
63748	D244	TPS STANDARDS & TOOLS	CECOM	----
63748	D594	METROLOGY & CALIB	MICOM	----
63748	DJ28	DIAGNOSTIC AND STANDARD ATE	CECOM	----
63773	D124	BATTLEFIELD SUSTAINMENT	BELVOIR	----
63899	DQ64		TACOM	----
63999	DQ41	RDTE 91-2001 WEDGE	HQ-AMC	----
64204	DC32	GROUND SUPPORT EQUIPMENT	AVSCOM	----
64204	DC33	CARGO HANDLING EQUIPMENT	AVSCOM	----
64218	D279	AIRDROP EQUIPMENT DEVELOPMENT	NATICK	----
64604	D659	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	TACOM	----
64604	DH07	FAMILY OF MEDIUM TACTICAL VEHICLES	TACOM	----
64713	D548	MILITARY SUBSISTENCE SYSTEMS	NATICK	----
64713	DL40	CLOTHING AND EQUIPMENT	NATICK	----

projwkp

This report produces a project-workpackage table, including the workpackage funding and the systems linked to each workpackage.

expr [first pg#] ¦ acego ../neil/projwkp [pg letter] [code] [name]

PROJECT/WORKPACKAGE SUMMARY

COMMAND: ARDEC PROJECT: 63606 D006 TITLE: LANDMINE WARFARE DEVELOPMENT

TASK/WKP/SSN		WORKPACKAGE/SYSTEM TITLE		PDIP	FY86	FY87	FY88	FY89	FY90	FY91	FY92	FY93
01	03346	MINE SENSORS		-								
	E71200	MODUALR PACK MINE SYSTEM	2*									
	E72195	CANISTER MINE (VOLCANO) XM87	2*									
	WB1038	IMPROVED CONVENTIONAL MINE SYSTEM (ICOMS)	1*									
01	03350	MINE WARHEADS		-								
	WB1038	IMPROVED CONVENTIONAL MINE SYSTEM (ICOMS)	1*									
02	03547	MINE COMPONENTS (MINIMUM BAND)		6M7L-01		1675	212	3332	3556	1818	2817	11817
	5M2032	AFV - MINE DISPERSING VEHICLE	2*									
	E40601	GROUND IMP MINE SCAT SYS AP M74(MYP)	2*									
	E40602	GROUND IMP MINE SCAT SYS AT M75(MYP)	2*									
	E71200	MODUALR PACK MINE SYSTEM	2*									
	E75300	WIDE AREA SIDE PENETRATING MINE (WASPM)	2*									
	039100	DISPENSER MINE XM139	2*									
	WB1038	IMPROVED CONVENTIONAL MINE SYSTEM (ICOMS)	1*									
02	13347	MINE COMPONENTS (AT RISK BAND)		6M7L-02				1275	711	2633	400	
	5M2032	AFV - MINE DISPERSING VEHICLE	2*									
	E40601	GROUND IMP MINE SCAT SYS AP M74(MYP)	2*									
	E40602	GROUND IMP MINE SCAT SYS AT M75(MYP)	2*									
	E71200	MODUALR PACK MINE SYSTEM	2*									
	E75300	WIDE AREA SIDE PENETRATING MINE (WASPM)	2*									
	039100	DISPENSER MINE XM139	2*									
	WB1038	IMPROVED CONVENTIONAL MINE SYSTEM (ICOMS)	1*									
02	9L347	LANDMINE WARFARE		-								
	5M2032	AFV - MINE DISPERSING VEHICLE	2*					(1393)	(1733)	(1549)	(2793)	
	E40601	GROUND IMP MINE SCAT SYS AP M74(MYP)	2*									
	E40602	GROUND IMP MINE SCAT SYS AT M75(MYP)	2*									
	E71200	MODUALR PACK MINE SYSTEM	2*									
	E75300	WIDE AREA SIDE PENETRATING MINE (WASPM)	2*									
	039100	DISPENSER MINE XM139	2*									
	WB1038	IMPROVED CONVENTIONAL MINE SYSTEM (ICOMS)	1*									
TOTAL FUNDS FOR PROJECT:		FUNDED				1675	212	4607	4267	4451	3217	11817
		UNFUNDED						(1393)	(1733)	(1549)	(2793)	

Legend
* - System designated in Mission Area

projwkpblk

This report produces a project-workpackage table like the report projwkp, but the funding numbers for the workpackages are omitted.

expr [first pg#] | acego ../neil/projwkpblk [pg letter] [code] [name]

PROJECT/WORKPACKAGE SUMMARY

COMMAND: ARDEC PROJECT: 63606 D006 TITLE: LANDMINE WARFARE DEVELOPMENT

TASK/WKP/SSN	WORKPACKAGE/SYSTEM TITLE	PDIP	FY87	FY88	FY89	FY90	FY91	FY92	FY93
01 03346	MINE SENSORS	-							
E71200	MODUALR PACK MINE SYSTEM								
E72195	CANISTER MINE (VOLCANO) XM87								
WB1038	IMPROVED CONVENTIONAL MINE SYSTEM (ICOMS)								
01 03350	MINE WARHEADS	-							
WB1038	IMPROVED CONVENTIONAL MINE SYSTEM (ICOMS)								
02 03347	MINE COMPONENTS (MINIMUM BAND)	6M7L-01							
5M2032	AFV - MINE DISPERSING VEHICLE								
E40601	GROUND IMP MINE SCAT SYS AP M74(MYP)								
E40602	GROUND IMP MINE SCAT SYS AT M75(MYP)								
E71200	MODUALR PACK MINE SYSTEM								
E75300	WIDE AREA SIDE PENETRATING MINE (WASPM)								
Q39100	DISPENSER MINE XM139								
WB1038	IMPROVED CONVENTIONAL MINE SYSTEM (ICOMS)								
02 13347	MINE COMPONENTS (AT RISK BAND)	6M7L-02							
5M2032	AFV - MINE DISPERSING VEHICLE								
E40601	GROUND IMP MINE SCAT SYS AP M74(MYP)								
E40602	GROUND IMP MINE SCAT SYS AT M75(MYP)								
E71200	MODUALR PACK MINE SYSTEM								
E75300	WIDE AREA SIDE PENETRATING MINE (WASPM)								
Q39100	DISPENSER MINE XM139								
WB1038	IMPROVED CONVENTIONAL MINE SYSTEM (ICOMS)								
02 9334'	LANDMINE WARFARE	-							
5M2032	AFV - MINE DISPERSING VEHICLE								
E40601	GROUND IMP MINE SCAT SYS AP M74(MYP)								
E40602	GROUND IMP MINE SCAT SYS AT M75(MYP)								
E71200	MODUALR PACK MINE SYSTEM								
E75300	WIDE AREA SIDE PENETRATING MINE (WASPM)								
Q39100	DISPENSER MINE XM139								
WB1038	IMPROVED CONVENTIONAL MINE SYSTEM (ICOMS)								
TOTAL FUNDS FOR PROJECT:	FUNDED								
	UNFUNDED								

sysdef

This report produces an unclassified listing of the systems in the control file and their BDP deficiencies and score statistics.

expr [first pg#] ! acego ../qa/sysdef [pg letter] [code] [name]

CSS SYSTEM BDP RANKING AND DEFICIENCIES

	SSN	DA MA	AMC MGR	TITLE	#DEF	#A	#B	#C	#D	#E	#X	BL	RATING
1.	1T0007	CSS 83-C	BELVOIR	JERRY CAN -REBUY/NDI	1	0	0	1	0	0	0	0	166.80
2	1T0016	CSS 37-E	PM-PWL 170-E 172-C	PIP, EXTREME ENVIRON WATER SUPPLY	3	0	0	1	0	2	0	0	210.50
3.	1T0017	CSS 37-E	BELVOIR 170-E 172-C	PIP- WTR PURIFICATION UNIT REV OSMOSIS, 600 GPH	3	0	0	1	0	2	0	0	210.50
4.	1T0019	CSS 83-C	BELVOIR	PIP - SWA PETROLEUM DISTRI SYSTEM	1	0	0	1	0	0	0	0	166.80
5.	1T0123	CSS 22-D	BELVOIR 164-D	LIGHTWEIGHT, EXPANDABLE TOPHANDLER FOR 50K RT LT	2	0	0	0	2	0	0	0	162.80
6.	2A0001	CSS 105-D	AVSCOM 151-B 169-C 247-C 259-A 269-B	NON-DESTRUCTIVE TEST EQUIPMENT (NDTE)	6	1	2	2	1	0	0	0	1162.20
7.	2A0105	CSS 14-E	ARTA 170-E	HELICOPTER SNOW SKI SET (HSSS) (NEW FLEET)	2	0	0	0	0	2	0	0	81.60
8.	2M0004	CSS 345-B	AMCCOM	TEST STAND,ELECTRICAL VEHICULAR COMPONENT	1	0	1	0	0	0	0	0	124.00
9.	2M0012	CSS 345-B	TACOM	TEST STAND, HYDROVAC	1	0	1	0	0	0	0	0	124.00
10.	2M2001	CSS 19-B	TACOM 20-D 21-A 22-C 42-D 84-D 97-D 131-B 138-B 194-C	ARMORED MAINTENANCE VEHICLE (NEAR TERM)	12 231-C	1 295-D	3	3	5	0	0	0	2549.60
11.	2M2002	CSS 19-A	TACOM 22-C 84-D 97-D 131-B 138-B 175-D 286-C 295-D	ARMORED RESUPPLY MULTIPURPOSE SYSTEM	9	1	2	2	4	0	0	0	1901.00
12.	2M4003	CSS 20-D	TACOM 145-E 194-D	ALLIED KINETIC ENERGY RECOVERY ROPE (AKERR)	3	0	0	0	2	1	0	0	192.70
13.	2M4006	CSS 107-E	TACOM 345-B	TEST STAND, HEATER	2	0	1	0	0	1	0	0	163.30
14.	2T0001	CSS 164-C	BELVOIR 174-C 268-C	NDI WATERCRAFT	3	0	0	3	0	0	0	0	357.60
15.	3A0006	CSS 20-B	AVSCOM 115-C 151-C 202-B 247-C	UNIT MAINTENANCE AERIAL RECOVERY KIT (UMARK)	5	0	2	3	0	0	0	0	1017.20
16.	3A0007	CSS 105-D	AVSCOM 151-A 194-D 202-B 247-B 269-C 294-D	AIRCRAFT COMBAT MAINTENANCE/BATTLE DAMAGE REPAIR	7	1	2	1	3	0	0	0	1273.00
17.	3A0008	CSS 20-E	AVSCOM 97-D 115-C 164-D 167-C 202-B 279-B 294-D 299-D	ADV MATERIAL EXTERNAL CARGO SLING SYSTEM (AMCSS)	9	0	2	2	4	1	0	0	979.60
18.	3A0009	CSS 97-D	AVSCOM 115-C 164-D 167-C 170-E 202-B 249-D 279-B 294-D	HELICOPTER EXTERNAL CARGO SNUBBING SYSTEM (HEXCSS)	9	0	2	2	4	1	0	0	974.60
19.	3A0010	CSS 97-D	AVSCOM 115-C 164-D 167-C 170-E 202-B 279-B 294-D	HELICOPTER EXTERNAL AIR TRANSPORT (HEAT) KIT	8	0	2	2	3	1	0	0	924.40
20.	3A0011	CSS 22-E	AVSCOM 97-D 115-C 164-D 167-C 202-B 279-B 294-D	INTERNAL/EXTERNAL (INTEX) PALLET CARGO HANDLING SY	8	0	2	2	3	1	0	0	939.20
21.	3A0057	CSS 89-C	AVSCOM 157-C 162-A 247-C 338-C	A/C DECONTAMINATION, DEICING, AND CLEANING SYSTEM	5	1	0	4	0	0	0	0	1008.40
22.	3A0058	CSS 169-D	AVSCOM 243-D 247-B 248-C 269-C 294-D	NEW AIRCRAFT TOOL SYSTEM (NATS)	6	0	1	2	3	0	0	0	554.40
23.	3A0060	CSS 151-D	AVSCOM 202-D 247-C 248-C	TACTICAL A/C MAINTENANCE PLATFORM (TAMP)	4	0	0	2	2	0	0	0	331.40
24.	3A0061	CSS	AVSCOM	STANDARD AIRCRAFT TOWING TRACTOR SYSTEM	3	0	0	1	1	1	0	0	175.50

sysdef2

This report produces an abbreviated version of sysdef, without the system titles or the score statistics. Only the ssn and deficiencies are printed.

expr [first pg#] | acego ../qa/sysdef2 [pg letter] [code] [name] [command]

EMW SYSTEM BDP DEFICIENCIES

SSN	DEFICIENCIES											
1T0012	80-	133-B										
3T0002	265-	315-B										
3T0006	80-	133-B										
3T0020	4-B	35-C	36-C	95-B	156-C	222-B	282-A	287-C	290-D			
3T0025	95-D											
3T0030	95-B											
3T0046	29-D	41-E	86-E	307-E	313-D							
3T0048	29-C	41-B	86-D	145-B	313-D	327-A						
3T0049	29-C	41-B	86-D	145-B	313-D	327-B						
3T0051	29-D	41-B	86-E	145-C	307-B	313-D	315-C	320-B				
3T0055	29-E	41-C	145-C	229-D	307-E							
3T0056	29-D	41-C	94-E	145-E	229-D	307-E	315-E					
3T0057	29-B	41-B	86-C	94-C	129-C	145-C	229-B	241-	307-C	313-D	315-C	
3T0058	29-D	86-D	129-									
3T0060	132-B	145-C										
3T0062	1001-C											
3T0063	0-	1001-C										
3T0064	1001-C											
3T0065	1001-B											
3T0066	133-C											
3T0067	132-C											
3T0076	9-C	35-D	73-D	325-D								
3T0079	4-C	95-B	282-B									
3T0094	177-D	220-C	344-C									
3T0097	4-D	37-D	110-D	170-E	175-							
3T0112	6-D	8-	13-	45-	62-C	67-C	71-C	128-D	139-D	237-D	266-C	296-C
3T0127	35-C	110-	170-D	175-E	222-B	238-E	294-					
3T0300	4-B	36-C	95-C	131-D	207-C	221-C	282-D	287-D				
3T0301	95-C	116-C	131-C	221-D	234-C							
3T0302	95-D	131-D										
3T0303	35-E	95-E	131-E									
3T0307	29-C	94-D										
5T0003	29-C	41-A	86-B	106-A	133-C	145-A	229-A	313-A				
5T0006	29-C	41-C	86-E	145-D	229-E	307-D						
5T0007	29-C	41-C	145-C	229-D	307-D							
5T0022	172-A	326-A										
5T0027	80-	133-B										
5T0028	17-	29-C	41-C	145-C	209-	213-	229-D	307-D	328-			
5T0035	4-	85-	95-D	116-	131-	137-	241-	310-B				
5T0036	80-	133-C										
5T0037	29-B	41-D	86-C	94-E	105-	307-C						
5T0038	29-C	41-C	86-D	129-	137-							
5T0040	29-D	86-E	176-B	241-								
5T0041	12-	29-E	86-D									
6T0007	29-B	41-B	86-B	105-	129-							
6T0013	4-C	110-C	170-D									
6T0023	95-C	114-	120-	143-								

sysdollars

This report produces the confidential system rollup report for a single command and mission area with dollar values inserted.

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expr [first pg#] ¦ acego ../neil/sysdollars [pg letter] [code] [name] [command] [ssn]
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****** S A M P L E ******

SSN: WC5112 TITLE: COUNTEROBSTACLE VEHICLE (COV)

DA/TRADOC Mission Area: CS / EMW
Commodity Line: CM
Cross Functional Area: SUPPORT
Acquisition Type: DEVELOPMENT

AMCMSC: TROSCOM
AMC Manager: BELVOIR
TRADOC Proponent: ENS
Req. Document: (O&OP , DROC ,)

TOP 8 DEFICIENCIES: 29-C, 41-C, 86-B, 94-C, 132-D, 133-E, 306-C, 307-C

DESCRIPTION. REPLACEMENT FOR M728 COMBAT ENGINEERING VEHICLE (COV) IS A MULTIFUNCTIONAL ARMORED VEHICLE TO PROVIDE HEAVY FORCE WITH ENHANCED BATTLEFIELD MOBILITY. COV UTILIZES A CURRENT STATE-OF-THE-ART COMBINATION FULL VEHICLE WIDTH MINEPLOW/BULLDOZER BLADE, PADLOCKING SYSTEM, AND TWO MANEUVERABLE TELESCOPIC ARMS WITH VARIOUS QUICK CHANGE ATTACHMENTS. THE COV CAN RAPIDLY BREACH AND WORK MINEFIELDS MARKS USING THE MINEPLOW CONSTRUCT COMBAT TRAILS, TANK FIGHTING POSITION AND ANTI-TANK DITCHES WITH DOZER BLADE. URBAN RUBBLE AND OTHER OBSTACLES ARE OVERCOME USING THE COMBINATION PLOW/DOZER & TELESCOPIC ARM

PRODUCTION PROGRAM ($K)

PDIP/INCR	94	95	96	97	98	99	86	87	88	89	90	91	92	93
6S8K-01														

DEVELOPMENT PROGRAMS ($K)

				v*m	86	87	88	89	90	91	92	93
65810 DE65 E85	BELV 5011	MACI-PRESER OF ENGS, MIL EQUIP		0*m	<not scheduled>							
64COV DCOV 01	BELV 1316	NEW PROPOSED PROGRAM FOR COV		1*				(7000)	(13000)	(13000)	(8000)	
63721 DJ30 40	TACO 400	COLLECTIVE PROT MATERIEL CONCEPTS/ARMORED VEHICLES		0 m		335	414	431	449	467	850	1500
63619 DL01 31	ARDE 01346	COUNTEROBSTACLE VEHICLE (COV)		1*	<not scheduled>							
63619 DL01 31	ARDE 91346	COUNTEROBSTACLE VEHICLE (COV)		1*m	<not scheduled>							

TECH BASE PROGRAMS ($K)

			v*m	86	87	88	89	90	91	92	93
63102 DO71 01	LABC 3305	TRACK AND SUSPENSION	0 m	224	316	354					

Legend:
v - Workpackage Contribution Value
* - EMW Funded Workpackage
m - Workpackage Supports Multiple Systems

****** S A M P L E ******

Thu Aug 7 1986 11:31:40

sysindex

This report produces the unclassified system index in alphabetical order by system title for a single mission area.

expr [first pg#] ¦ acego ../neil/sysindex [pg letter] [code] [name]

EMW SYSTEMS IN ALPHABETICAL ORDER BY TITLE

SSN	DA MA	TDC MA/PROP		SYSTEM TITLE	AMC MGR	ACQ	PDIP	PAGE
G05501	CS	EMW	ENS		AMCCOM	TC	-	
3T0019	CSS	EMW	ENS	0.5 - 10KW LOW NOISE GENERATOR SETS	PM-MEP	DEV	6S7G-01	
3T0030	CSS	EMW	ENS	1.5/5KW POWER CONDITIONING MODULE	BELVOIR	DEV	6S7G-01	
3T0013	CSS	EMW	ENG	10KW SILENT POWER PLANT	PM-MEP	DEV	6S7G-01	
3T0078	CSS	EMW	ENS	15/30/60 KW SIGNATURE SUPPRESSED GEN SETS	PM-MEP	DEV	6S7G-01	
3T0025	CSS	EMW	ENS	30 &60KW POWER CONDITIONERS	BELVOIR	DEV	6S7G-01	
3T0079	CSS	EMW	ENS	3KW FREE PISTON STIRLING ENGINE GENERATOR SET	BELVOIR	DEV	6S7G-01	
3T0301	CSS	EMW	ENS	ADVANCED GENERATOR SET COMPONENTS	BELVOIR	DEV	6S7F-01	
3T0046	CS	EMW	ENS	ADVANCED MINE CLEARING SYS	BELVOIR	BBTA	6M7L-01	
6D0021	CS	EMW	ENS	ADVANCED MINE OBSTACLE SYSTEM (AMOS)	PM-MCD	DEV	6M7L-02	
6D0010	CS	EMW	ENG	ADVANCED PLASTIC EXPLOSIVE	PM-MCD	DEV	6R8M-01	
6E0001	CSS	EMW	ENS	ADVANCED TACTICAL POWER SOURCES	LABCOM	BBTA	6S7G-01	
5M2017	CS	EMW	ENS	AFV - COMBAT EARTHMOVER (CEM)	TACOM	DEV	6M7Y-01	
5M2032	CS	EMW	ENS	AFV - MINE DISPERSING VEHICLE	TACOM	DEV	6M7Y-01	
5M2016	CS	EMW	ENS	AFV-COMBAT EXCAVATOR (CEV)	TACOM	DEV	6M7Y-01	
5M2018	CS	EMW	ENS	AFV-COMBAT MOBILITY VEHICLE (CMV)	TACOM	DEV	6M7Y-01	
5M2015	CS	EMW	ENS	AFV-ENGINEER SQUAD (SAPPER)	TACOM	DEV	6M7Y-01	
5M2014	CS	EMW	ENS	AFV-IMPROVED HEAVY ASSAULT BRIDGE (IHAB)	TACOM	DEV	6M7Y-01	
MF9300	CSS	EMW	ENS	AIR CONDITIONERS VARIOUS SIZE/CAPACITIES	BELVOIR	TC	6W8K-01	
5T0003	CS	EMW	ENS	AIRBORNE MINEFIELD DETECTION & RECONN SYS--AMIDARS	BELVOIR	DEV	6M7L-01	
5M2000	CC	CCH	ARM	ARMORED FAMILY OF VEHICLES (AFV)	TACOM	DEV	6M7Y-01	
QZ3000	CC	EMW	ENS	ARMORED VEH LAUNCH BRIDGE (AVLB) - PIP	TACOM	PIP	FL61-01	
3T0305	CS	EMW	ENS	ARMY 21 GENERATOR SET	PM-MEP	DEV	-	
5T0037	CS	EMW	ENS	AUTOMATED COUNTERBARRIER SYSTEM	BELVOIR	BBTA	6M7L-01	
6T0025	CS	EMW	ENS	BARRIERS-BROAD BASE TECH AREA	BELVOIR	BBTA	6M7L-01	
BB1100	CSS	EMW	ORS	BATTERY CHARGER PP-7286/U	LABCOM	BC	6V3H-01	
E57501	CSS	EMW	ENS	BRIDGE & ROAD MUNITION (BRM)	PM-MCD	DEV	6M7L-01	
6D0008	CS	EMW	ENS	BRIDGE AND ROAD MUNITION, IMPROVED (IBRM)	PM-MCD	DEV	6R8M-01	
M23601	CS	EMW	ENS	BRIDGE ERECTION BOAT, SD	BELVOIR	TC	6XE5-01	
M25001	CS	EMW	ENS	BRIDGE, BAILEY, M2	BELVOIR	TC	-	
M29700	CS	EMW	ENS	BRIDGE, ERECTION SET, MED GIRD	BELVOIR	TC	6XE5-03	
M29500	CS	EMW	ENS	BRIDGE, FIXED, HIGHWAY, ALUM, MED GIRDER	BELVOIR	TC	6XE5-01	
MA9160	CSS	EMW	ENS	BUILDING, PRE-FAB, RELOCATABLE	BELVOIR	TC	3R7J-01	
5T0035	CS	EMW	INF	CAMOUFLAGE SYSTEM	BELVOIR	BBTA	6R8N-01	
5T0028	CS	EMW	ENS	CANETIP	BELVOIR	TD	6M7L-01	
E72195	CSS	EMW	ENS	CANISTER MINE (VOLCANO) XM87	AMCCOM	DEV	6S5C-01	
E72194	CSS	EMW	ENS	CANISTER MINE PRACTICE XM88 (VOLCANO)	AMCCOM	TC	6S5C-01	
E52500	CSS	EMW	ENS	CAP, BLASTING, M6 SPC ELEC	AMCCOM	TC	6V88-01	
E52600	CSS	EMW	ENS	CAP,BLASTING SPEC NON-ELECT M7	AMCCOM	TC	6S5C-01	
E50500	CSS	EMW	ENS	CH DML BLK PENT 2LB M11B	AMCCOM	TC	6SJ4-	
E53200	CSS	EMW	ENS	CHARGE DEMO SHAPED 40LB M3	AMCCOM	TC	6S5C-01	
E53100	CSS	EMW	ENS	CHARGE, DEMO SHAPED M2A4 SERIES 15LB	AMCCOM	TC	6V88-01	
E51300	CSS	EMW	ENS	CHARGE, DEMO, 40LB, CRATERING	ARDEC	TC	6S5C-01	
E51000	CSS	EMW	ENS	CHG DEMO BLK TNT 1 LB	ARDEC	TC	6V88-01	
M25301	CS	EMW	ENS	CLASS 60 FLOAT BRG	BELVOIR	TC	-	
5T0027	CS	EMW	ENS	COMBAT ENGINEER COMPONENTS	BELVOIR	TD	6R88-01	

sysindex1

This report produces the unclassified system index in nume-ical order by SSN for a single mission area.

expr [first pg#] ¦ acego ../neil/sysindex1 [pg letter] [code] [name]

EMW SYSTEMS IN NUMERICAL ORDER BY SSN

SSN	DA MA	TDC MA/PROP		SYSTEM TITLE	AMC MGR	ACQ	PDIP	PAGE
1M1006	CC	EMW	ENS	COMBAT ENGINEER VEHICLE	TACOM	BC	FL6I-01	
1M1101	CS	EMW	ENS	MINE PLOW BLADE	PM-MCD	PIP	6XL0-01	
1T0012	CS	EMW	ENS	RIBBON BRIDGE, IMPROVED	BELVOIR	PIP	6XE5-01	
3E0019	CSS	EMW	ENS	POWER CONVERTERS	LABCOM	DEV	6S70-01	
3M0201	CS	EMW	ENS	SEE VARIANT	TACOM	DEV	6S5E-01	
3T0002	CS	EMW	ENS	TUNNEL DETECTION SYSTEM (TUDS)	BELVOIR	DEV	6XE5-01	
3T0006	CS	EMW	ENS	HEAVY DRY SUPPORT BRIDGE	BELVOIR	DEV	6XE5-01	
3T0013	CSS	EMW	ENQ	10KW SILENT POWER PLANT	PM-MEP	DEV	6S70-01	
3T0019	CSS	EMW	ENS	0.5 - 10KW LOW NOISE GENERATOR SETS	PM-MEP	DEV	6S70-01	
3T0020	CSS	EMW	ENS	INTEGRATED POWER ENVIRONMENTAL CONTROL SYSTEMS	BELVOIR	DEV	6S70-01	
3T0025	CSS	EMW	ENS	30 &60KW POWER CONDITIONERS	BELVOIR	DEV	6S70-01	
3T0030	CSS	EMW	ENS	1.5/5KW POWER CONDITIONING MODULE	BELVOIR	DEV	6S70-01	
3T0046	CS	EMW	ENS	ADVANCED MINE CLEARING SYS	BELVOIR	BBTA	6M7L-01	
3T0048	CS	EMW	ENS	LIGHT INFANTRY MINEFIELD BREACHING SYSTEM (LIMBS)	BELVOIR	DEV	6M7L-01	
3T0049	CS	EMW	ENS	IMPROVED LINE CHARGE	BELVOIR	DEV	6M7L-01	
3T0051	CS	EMW	ENS	IMPROVED HAND HELD MINE DETECTOR	BELVOIR	DEV	6M7L-01	
3T0055	CS	EMW	ENS	TACTICAL OBSTACLE MARKING SYSTEM (TOMS)	BELVOIR	DEV	6M7L-01	
3T0056	CS	EMW	ENS	REACTIVE FRAGMENT MINE NEUTRALIZATION SYSTEM (FRAG	BELVOIR	TD	6M7L-01	
3T0057	CS	EMW	ENS	WIDE-AREA NEUTRALIZATION MINE DEVICE (WAND)	BELVOIR	TD	6M7L-01	
3T0058	CS	EMW	ENS	MAGNETIC SIGNATURE SILENCING SYSTEM (MASSIS)	BELVOIR	DEV	6M7L-01	
3T0060	CC	EMW	ENS	OVERHEAD COVER (OHC) FOR INDIV FIGHTING POSITION	BELVOIR	TD	6XE5-01	
3T0062	CS	EMW	ENS	MACI COMML CONST EQUIP (CCE)	BELVOIR	DEV	6M72-01	
3T0063	CS	EMW	ENS	MACI HYDRAULIC SYS & COMP	BELVOIR	DEV	6M72-01	
3T0064	CS	EMW	ENS	CONSTRUCTION & COMBAT SUPPORT EQUIPMENT	BELVOIR	DEV	6M72-01	
3T0065	CS	EMW	ENS	MACI-HIGH SPEED EXCAVATOR	BELVOIR	DEV	6M72-01	
3T0066	CS	EMW	ENS	DUAL ROLE BRIDGE	BELVOIR	TD	6XE5-01	
3T0067	CC	EMW	ENS	FIELD FORTIFICATIONS	BELVOIR	BBTA	6X35-01	
3T0076	CSS	EMW	ENS	DIVING & SUPPLY EQUIP FOR NBC	BELVOIR	DEV	CP6C-02	
3T0078	CSS	EMW	ENS	15/30/60 KW SIGNATURE SUPPRESSED GEN SETS	PM-MEP	DEV	6S70-01	
3T0079	CSS	EMW	ENS	3KW FREE PISTON STIRLING ENGINE GENERATOR SET	BELVOIR	DEV	6S70-01	
3T0094	CSS	EMW	ENS	HEATER, DUCT TYPE, 250,000 BTUH	BELVOIR	DEV	6W8K-01	
3T0097	CSS	EMW	ENS	INTEGRATED CHEMICAL FILTER ENVIORNMENTAL EQUIP-ICE	BELVOIR	DEV	6M70-01	
3T0112	CS	EMW	ENS	FIELD ARMY MAPPING SYSTEMS (DTSS)	BELVOIR	DEV	6XM6-01	
3T0127	CSS	EMW	ENS	FAMILY OF TOTAL ENVIRONMENTAL CONTROL SYS (TECS)	BELVOIR	DEV	6W8K-01	
3T0300	CSS	EMW	ENS	GEN INTEG SYS FOR TACTICAL VEHICLES	BELVOIR	DEV	6S70-01	
3T0301	CSS	EMW	ENS	ADVANCED GENERATOR SET COMPONENTS	BELVOIR	DEV	6S7F-01	
3T0302	CSS	EMW	ENS	ZINC-BROMIDE MODULE	BELVOIR	DEV	6S70-03	
3T0303	CSS	EMW	ENS	NBC PROTECTED POWER PLANTS	BELVOIR	DEV	-	
3T0304	CS	EMW	ENS	SURVIVABLE TACTICAL ARMY GENERATOR	PM-MEP	DEV	-	
3T0305	CS	EMW	ENS	ARMY 21 GENERATOR SET	PM-MEP	DEV	-	
3T0306	CS	EMW	ENS	INTEGRATED VEHICLE/GENERATOR	PM-MEP	DEV	-	
3T0307	CS	EMW	ENS	ELECTRIC EXPLOSIVE DETONATION SYSTEM	BELVOIR	BBTA	6M7L-01	
5M2000	CC	CCH	ARM	ARMORED FAMILY OF VEHICLES (AFV)	TACOM	DEV	6M7Y-01	
5M2014	CS	EMW	ENS	AFV-IMPROVED HEAVY ASSAULT BRIDGE (IHAB)	TACOM	DEV	6M7Y-01	
5M2015	CS	EMW	ENS	AFV-ENGINEER SQUAD (SAPPER)	TACOM	DEV	6M7Y-01	
5M2016	CS	EMW	ENS	AFV-COMBAT EXCAVATOR (CEV)	TACOM	DEV	6M7Y-01	

sysres

This report produces the unclassified summary of underresourced systems.
These are development systems *without* active 6.3B or 6.4 workpackages.

expr [first pg#] ! acego ../neil/sysres [pg letter] [code] [name] [command]

SYSTEMS WITHOUT ACTIVE 6.3B/6.4 WORKPACKAGES FOR CSS

DEVELOPMENT SCHEDULE

SSN	TITLE	DA/TDC MA	FY86	FY87	FY88	FY89	FY90	FY91	FY92	FY93
1T0007	JERRY CAN -REBUY/NDI	CSS / CSS								
1T0123	LIGHTWEIGHT, EXPANDABLE TOPHANDLER FOR 30K RT	CSS / CSS								
2A0001	NON-DESTRUCTIVE TEST EQUIPMENT (NDTE)	CSS / CSS								
2A0105	HELICOPTER SNOW SKI SET (HSSS) (NEW FLEET)	CSS / CSS								
2M0012	TEST STAND, HYDROVAC	CSS / CSS								
2M4003	ALLIED KINETIC ENERGY RECOVERY ROPE (AKERR)	CSS / CSS	*********-********							
2M4006	TEST STAND, HEATER	CSS / CSS								
3A0061	STANDARD AIRCRAFT TOWING TRACTOR SYSTEM	CSS / CSS								
3C0002	COMBAT SERVICE SUPPORT CONTROL SYSTEM (CSSC2)	CSS / CSS	**********	**********	**********	**********	**********	**********	**********	**********
3C0005	TEST PROGRAM SET (TPS) STANDARDS & TOOLS	CSS / CSS	*********-********							
3R0102	MEDICAL DEVELOPMENT SYSTEM	CSS / CSS								
3T0003	FIELD FUEL QUALITY MONITOR TEST	CSS / CSS		**********	**********	**********	**********	**********	**********	**********
3T0070	AIRDROP REFUEL MOD DRUM	CSS / CSS								
3T0071	UNDERWATER FUEL STORAGE	CSS / CSS								
3T0092	PUMP, CAPTURED FUELS	CSS / CSS	**********	**********	**********	**********	**********	**********	**********	**********
3T5374	IMPROVED NIGHT MAINTENANCE TECHNOLOGY	CSS / CSS								
4T5302	COMBAT VEHICLE CREWMAN'S ENSEMBLE	CSS / CSS								
5T0002	FIELD FUEL PRODUCTION UNIT	CSS / CSS		**********	**********	**********	**********	**********	**********	**********
6M5008	IMPROVED LIGHTWEIGHT LIFTING DEVICES	CSS / CSS								
6W0001	METROLOGY AND CALIBRATION	CSS / CSS		*-********						
9D0003	TEST STAND, TRANSMISSION	CSS / CSS								
9D0005	TEST STAND, ENGINE DYNAMOMETER	CSS / CSS								
BD3950	AMC INFORMATION PROCESSING EQUIPMENT (IPE)	CSS / CSS								
BZ5270	TMDE MODERNIZATION	CSS / CSS								
D08900	FAMILY HEAVY TACTICAL VEHICLES- TRAILERS	CSS / CSS								
D40100	SNOW VEHICLE, TRACKED, CARGO/PERSONNEL	CSS / CSS	*-*-*-*-**********	**********	**********	**********	**********	**********	**********	**********
M63900	PUMP ASSY LIQ GAS WHL 4 IN OUT 350 GPM	CSS / CSS								
M86900	MODULAR FIELD KITCHEN	CSS / CSS								
R32300	BOAT, SERVICE, CHI	CSS / CSS								
S60000	STEAM CLEANER	CSS / CSS								
WD501D	NUCLEAR SECURITY VISUAL ASSESSMENT EN H	CSS / CSS								

Legend:
****** Funded (Tech Base Only)
--*- Partial Funded
------ Unfunded

unlkwkp

This unclassified report shows the workpackages which are not uniquely linked to a system and pdip for fiscal accountability.

expr [first pg#] | acego ../neil/unlkwkp [pg letter] [code] [name] [command]

CSS FUNDED WORKPACKAGES NOT LINKED TO SYSTEMS
WITH FISCAL RESOURCES SHOWN

	PE/PROJ/TASK/WKPKG TITLE		DEVELOPMENT SCHEDULE							
			FY86	FY87	FY88	FY89	FY90	FY91	FY92	FY93
1.	23754 D420 01 4200104 ATE P3I PROGRAM SUPPORT	CECOM						250	500	
2.	61102 A31B BO 31BB001 SECOND GEN UNCOOLED FOCAL PLANE	CECOM			500	600	600			
3.	61102 A31B BO 31BB002 SPECIAL PURPOSE SENSOR	CECOM	880	355						
4.	61102 A31B BO 31BB003 MULTI-SPECTRAL FOCAL PLANE	CECOM					400	1500	1500	
5.	61102 A31B CO 31BC001 ELECTRO ACOUSTO-OPTIC MATERIALS	CECOM		200	400	250				
6.	61102 A31B CO 31BC002 OPTICAL MAT'L RESEARCH	CECOM			200	500	500			
7.	61102 A31B CO 31BC003 OPTICAL SIGNAL PROCESSING (UNFUNDED)	CECOM			(275)	(814)	(890)			
8.	61102 A31B CO 31BC004 ADV OPTICS TECHNOLOGY	CECOM						1000	1500	
9.	61102 A31B DO 31BD001 AUTONOMOUS SYSTEM UNDERSTANDING	CECOM	750	721	400					
10.	61102 A31B DO 31BD002 SCENE ANALYSIS RESEARCH	CECOM	860	738	480	300				
11.	61102 A31B DO 31BD003 FORMATION TARGETING	CECOM		200	600	750	500			
12.	61102 A31B DO 31BD004 CLUTTER REJECTION	CECOM			250	650	500			
13.	61102 A31B DO 31BD005 AI SITUATION ANALYSIS (UNFUNDED)	CECOM					(729)	(2484)		
14.	61102 A31B HO 31BH001 EPI MATL TECH F/2ND GEN SYSTEMS	CECOM		421	800	738	300			
15.	61102 A31B HO 31BH002 MATERIALS CHARACTERIZATION	CECOM	265	229	600	420				
16.	61102 A31B HO 31BH003 DEVICE MODELLING	CECOM	150	150	300	300				
17.	61102 A31B HO 31BH004 AUTO MATLS GROWTH TECH	CECOM				200		1000		
18.	61102 A31B HO 31BH005 MONOLITHIC GROWTH	CECOM				150	921	1030	500	
19.	61102 A31B HO 31BH006 SUPERLATTICE GROWTH	CECOM						950	1748	
20.	61102 A31B MO 31BM001 WIDE BAND TUNABLE LAS RSCH (VIS/NIR/FIR)	CECOM	1034	983	600	400				

Mon Jul 28 1986 13:34:26

wkpindex

The unclassified workpackage index.

expr [first pg#] | acego ../neil/wkpindex [pg letter] [code] [name] [command]

EMW RDTE PROJECT INDEX

PE	PROJ	TITLE	COMMAND	PAGE
63102	DJ01	COMBAT ENG COMPONENTS	BELVOIR	----
63606	D006	LANDMINE WARFARE DEVELOPMENT	ARDEC	----
63606	D608	COUNTERMINE AND BARRIER DEVELOPMENT	BELVOIR	----
63619	D005	LANDMINE SYSTEMS	ARDEC	----
63619	D343	ROBOTIC OBSTACLE BREACHING ASSAULT TANK	TACOM	----
63619	D606	COUNTERMINES AND BARRIERS	ARDEC	----
63619	D607	EXPLOSIVE DEMOLITION SYSTEMS	ARDEC	----
63619	DL01	COUNTER OBSTACLE VEHICLE	ARDEC	----
63702	DQ10	TACTICAL POWER SOURCES	LABCOM	----
63702	DQ11	ADVANCED ELECTRICAL ENERGY CONCEPTS	BELVOIR	----
63712	D580	FIELD ARMY MAPPING	BELVOIR	----
63712	DT44	DIGITAL TOPOGRAPHIC SUPPORT SYSTEM	BELVOIR	----
63726	DQ01	GENERAL SUPPORT EQUIPMENT	BELVOIR	----
63726	DK39	GENERAL SPT EQUIPMENT	BELVOIR	----
63726	DK39	GENERAL SUPPORT EQUIPMENT	PM-PWL	----
64612	D021	EXPLOSIVE DEMOLITIONS	ARDEC	----
64612	D415	MINE DETECTION AND NEUTRALIZATION	ARDEC	----
64619	D016	MINE SYSTEMS	ARDEC	----
64714	D194	ENGINE DRIVEN GENERATORS	MEP	----
64714	D196	SILENT POWER GENERATING SOURCES	MEP	----
64716	D579	QUICK REACTION MULTICOLOR PRINTER	BELVOIR	----
64717	DH01	COMBAT ENGINEER EQUIPMENT	BELVOIR	----
64717	DL39	GENERAL SUPPORT EQUIP	BELVOIR	----
64717	DL39	GENERAL SUPPORT EQUIPMENT	PM-PWL	----
64COV	DCOV	COUNTEROBSTACLE VEHICLE - NEW PROPOSED 6.4 PROGRAM	BELVOIR	----

wkpsys

This diagnostic report shows the linkages between workpackages and systems, sorted by workpackage, and shows which systems are in the control file, the pdip's that the systems are in, the system pdip and bdp priorities, and the unique ssn-pdip combination that the workpackage is linked to for fiscal accountability.

expr [first pg#] | acego ../neil/wkpsys [pg letter] [code] [name] [proj]

****** S A M P L E ******

PROJECT/WORKPACKAGE/SYSTEM LINKAGE SUMMARY

COMMAND: ARDEC PROJECT: 63619 D005 TITLE: LANDMINE SYSTEMS

02	01312	ICOMS AD EFFORT (MIN)	v*^	6M7L-01	PRI	BDP
	WB1038	IMPROVED CONVENTIONAL MINE SYSTEM (ICOMS)	1*^	6M7L-01	0.00	495.20
04	01303	VOLCANO AD EFFORT (MIN)	v*^	6M7L-01	PRI	BDP
	5M2032	AFV - MINE DISPERSING VEHICLE	2*^	6M7Y-01	0.00	806.60
	E72195	CANISTER MINE (VOLCANO) XM87	1*	6S5C-01	0.00	399.60
				6S7I-01	0.00	399.60
				6V8B-01	0.00	399.60
				6V8Q-01	0.00	399.60
				6V8J-01	0.00	399.60
				6V8J-03	0.00	399.60
				6V8K-01	0.00	399.60
				6V8K-03	0.00	399.60
				6V8Q-01	0.00	399.60
				6V8Q-03	0.00	399.60
				6V8S-01	0.00	399.60
				6V8S-03	0.00	399.60
04	91303	VOLCANO AD EFFORT	v*^	-	PRI	BDP
05	01315	WIDE AREA MINE (WAM) AD EFFORT (MIN)	v*^	6M7L-01	PRI	BDP
	5M2032	AFV - MINE DISPERSING VEHICLE	5*	6M7Y-01	0.00	806.60
	6D0020	WIDE AREA MINE (WAM)	1*^	6M7L-02	0.00	388.40
05	11315	WIDE AREA MINE (WAM) AD EFFORT (RISK)	v*^	6M7L-02	PRI	BDP
	6D0020	WIDE AREA MINE (WAM)	1*^	6M7L-02	0.00	388.40
06	01318	DUAL SENSOR MINE SYSTEM AD EFFORT	v*^	-	PRI	BDP
CC	01374	ADVANCED MINE OBSTACLE SYSTEM AD (MIN)	v*^	6M7L-01	PRI	BDP
DD	01372	SELECTABLE LIGHTWEIGHT ATTACK MUNITION (SLAM) AD (MIN)	v*^	6M7L-01	PRI	BDP
	6D0016	SELECTABLE LIGHTWEIGHT ATTACK MUNITION (SLAM)	1*^	6R8P-01	0.00	589.80
DD	91375	SLAM - UNFUNDED	v*^	-	PRI	BDP
	6D0016	SELECTABLE LIGHTWEIGHT ATTACK MUNITION (SLAM)	2*^	6R8P-01	0.00	389.80
XX	01319	CONTROLLABLE MINE SYSTEM AD EFFORT (MIN)	v*^	6M7L-01	PRI	BDP
	5M2032	AFV - MINE DISPERSING VEHICLE	5*^	6M7Y-01	0.00	806.60
	6D0014	CONTROLLABLE MINE SYSTEM	1	6M7L-02	0.00	0.00
XX	11319	CONTROLLABLE MINE SYSTEM AD EFFORT (RISK)	v*^	6M7L-02	PRI	BDP
	6D0014	CONTROLLABLE MINE SYSTEM	1	6M7L-02	0.00	0.00

Legend:
* - System Designated in Mission Area
^ - Major Designated System for Fiscal Accountability
v - Workpackage-System Rating Factor

****** S A M P L E ******

Thu Aug 7 1986 11:59:16

wrkapdx

This report produces an unclassified or classified report depending
workpackage description. It is the workpackage appendix.

expr [first pg#] | acego ../neil/wrkapdx [pg letter] [code] [name] [command]

WORKPACKAGE SUMMARY DATA FOR BELVOIR / CED

PE/Project/Task: 63102 DJ01 01 : WP 1047
Funded by: EMW Transition Date:

Title: COMBAT ENGINEER COMPONENTS

	FY86	FY87	FY88	FY89	FY90	FY91	FY92	FY93
Funded:	776	0	0	938	4113	4651	1717	1717
Unfunded:	0	0	0	0	0	0	0	0
Flags								
LRDAP	0	0	0	938	4113	4651	1717	1717

Description

DESIGN, FABRICATE AND TEST FULL SCALE COMPONENTS OF A MODULAR, HORIZONTALLY LAUNCHED DRY GAP BRIDGE. WITH THIS TEST BED, DEVELOP COMPOSITE MATERIAL STRUCTUALLY INTER-CHANGEABLE ELEMENTS THAT OFFER QUANTUM IMPROVEMENTS OVER CURRENTLY AVAILABLE METALLIC STRUCTURAL COMPONENTS. DEVELOP MATERIAL INGREDIENTS FOR COMPOSITE CONSTRUCTION OF COMPONENTS WHICH EFFECTIVELY UTILIZE LOW COST TEXTILE FABRICATION TECHNIQUES.

Systems Supported (SSN/TITLE/DA MA)

3T0066	DUAL ROLE BRIDGE	CS
5M2014	AFV-IMPROVED HEAVY ASSAULT BRIDGE (IHAB)	CS
5T0027	COMBAT ENGINEER COMPONENTS	CS
5T0036	HIGH MOBILITY BRIDGING	CS
WC102C	HEAVY ASSLT BRIDGE (HAB)	CS

1987 Workplan

COMPLETE CONCEPT DESIGN
COMPLETE FINAL DESIGN OF BRIDGE MODULE
COMPLETE DESIGN OF LAUNCH/RECOVERY COMPONENTS
INITIATE FABRICATION OF FULL SCALE MODULE

APPENDIX D

SOURCE CODE FOR

CURRENTLY AVAILABLE MAMP REPORTS

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{ Streamlined Base Case and Type Classified Systems }
{ This Report Produces a Chart of Funding. }

{ 2/5/86 to add the mission area and date-time stamp.
  2/7/86 to include ssndesc modifications.
  5/20/86 to add group parameter, and changed in order to be run in mamp.
  5/29/86 to exclude base case and only show type classified.
  7/24/86  removed group parameter. changed to unclass. added all pdips. }

database mamp end

define
  variable total_fund type long
  variable eval       type integer
  variable pno        type integer
  variable p1         type long
  variable p2         type long
  variable p3         type long
  variable p4         type long
  variable p5         type long
  variable p6         type long
  variable p7         type long
  variable p8         type long
  variable p9         type long
  variable p10        type long
  variable p11        type long
  variable p12        type long
  variable p13        type long
  variable p14        type long
  variable p15        type long
  variable p16        type long
  variable u1         type long
  variable u2         type long
  variable u3         type long
  variable u4         type long
  variable u5         type long
  variable u6         type long
  variable u7         type long
  variable u8         type long
  variable u9         type long
  variable u10        type long
  variable u11        type long
  variable u12        type long
  variable u13        type long
  variable u14        type long
  variable u15        type long
  variable u16        type long
  param[1] pletter    type character length 1
  param[2] code       type integer
  param[3] name       type character length 12
  param[4] cmd        type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end
```

```
output
  left margin 0
  right margin 132
  report to "basetc.out"
end

read into c
  scl_ssn
  where scl_code = code and scl_name = name
end

read into a
  c
  ssn_amc_mgr ssn_da_ma ssn_tradoc_ma
  where ssn_acq_code = 2 and ssn_amc_mgr matches cmd
  joining c.scl_ssn = ssn_ssn
end

read into b
  a
  ssndroll
  lrrdp_title lrrdp_pdip
  lrrdp_procf1 lrrdp_procf2 lrrdp_procf3 lrrdp_procf4 lrrdp_procf5
  lrrdp_procf6 lrrdp_procf7 lrrdp_procf8 lrrdp_procf9 lrrdp_procf10
  lrrdp_procf11 lrrdp_procf12 lrrdp_procf13 lrrdp_procf14 lrrdp_procf15
  lrrdp_procf16
  lrrdppri_pri
  joining a.scl_ssn = optional lrrdp_ssn
      and a.scl_ssn = optional ssnd_ssn
      and lrrdp_pdip = optional lrrdppri_pdip
end

sort by scl_ssn lrrdp_pdip end

format

page header
  let eval = 0
  print column 48,"*****  U N C L A S S I F I E D  *****"
  skip 2 lines
  print column 39,"STREAMLINED SUMMARY OF TYPE CLASSIFIED SYSTEMS FOR ",name
  skip 3 lines
  print column 90,"PROCUREMENT SCHEDULE"
  print " ------------------------------------------------------------------",
        "-------------------------------------------------------------------- "
  print "|  SSN",10 spaces,"TITLE/DEFICIENCIES",column 57,"DA/TDC MA",
     column 67,
        "| 86  87  88  89  90  91  92  93  94  95  96  97  98  99  00  01 |"
  print "|-------------------------------------------------------------------",
        "|-------------------------------------------------------------------|"
  print "|",column 67,"|",column 132, "|"

on last record
  print "|",column 67,"|",column 132, "|"
  print " ------------------------------------------------------------------",
```

```
"------------------ ------------------------------------------ "

before group of scl_ssn
  let p1 = 0
  let p2 = 0
  let p3 = 0
  let p4 = 0
  let p5 = 0
  let p6 = 0
  let p7 = 0
  let p8 = 0
  let p9 = 0
  let p10 = 0
  let p11 = 0
  let p12 = 0
  let p13 = 0
  let p14 = 0
  let p15 = 0
  let p16 = 0
  let u1 = 0
  let u2 = 0
  let u3 = 0
  let u4 = 0
  let u5 = 0
  let u6 = 0
  let u7 = 0
  let u8 = 0
  let u9 = 0
  let u10 = 0
  let u11 = 0
  let u12 = 0
  let u13 = 0
  let u14 = 0
  let u15 = 0
  let u16 = 0

before group of lrrdp_pdip
  if lrrdppri_pri<1.0 or lrrdppri_pri>800.0 then begin
    let u1 = u1+lrrdp_procf1
    let u2 = u2+lrrdp_procf2
    let u3 = u3+lrrdp_procf3
    let u4 = u4+lrrdp_procf4
    let u5 = u5+lrrdp_procf5
    let u6 = u6+lrrdp_procf6
    let u7 = u7+lrrdp_procf7
    let u8 = u8+lrrdp_procf8
    let u9 = u9+lrrdp_procf9
    let u10 = u10+lrrdp_procf10
    let u11 = u11+lrrdp_procf11
    let u12 = u12+lrrdp_procf12
    let u13 = u13+lrrdp_procf13
    let u14 = u14+lrrdp_procf14
    let u15 = u15+lrrdp_procf15
    let u16 = u16+lrrdp_procf16
  end
  else begin
```

```
    let p1 = p1+lrrdp_procf1
    let p2 = p2+lrrdp_procf2
    let p3 = p3+lrrdp_procf3
    let p4 = p4+lrrdp_procf4
    let p5 = p5+lrrdp_procf5
    let p6 = p6+lrrdp_procf6
    let p7 = p7+lrrdp_procf7
    let p8 = p8+lrrdp_procf8
    let p9 = p9+lrrdp_procf9
    let p10 = p10+lrrdp_procf10
    let p11 = p11+lrrdp_procf11
    let p12 = p12+lrrdp_procf12
    let p13 = p13+lrrdp_procf13
    let p14 = p14+lrrdp_procf14
    let p15 = p15+lrrdp_procf15
    let p16 = p16+lrrdp_procf16
  end

after group of scl_ssn
  let total_fund = p1+u1+p2+u2+p3+u3+p4+u4+p5+u5+p6+u6+p7+u7+p8+u8+
    p9+u9+p10+u10+p11+u11+p12+u12+p13+u13+p14+u14+p15+u15+p16+u16
  print "| ",scl_ssn,2 spaces,lrrdp_title[1,45],1 space,
        ssn_da_ma," / ",ssn_tradoc_ma,column 67,"|";
  if scl_ssn matches "4*" then print column 93,"<STOCK FUNDED>",column 132,"|"
  else if total_fund = 0  then print column 93,"<NOT SCHEDULED>",column 132,"|"
  else begin
    if p1>0 then begin if u1>0 then print "*-*-"; else print "****"; end
            else begin if u1>0 then print "----"; else print "    "; end
    if p2>0 then begin if u2>0 then print "*-*-"; else print "****"; end
            else begin if u2>0 then print "----"; else print "    "; end
    if p3>0 then begin if u3>0 then print "*-*-"; else print "****"; end
            else begin if u3>0 then print "----"; else print "    "; end
    if p4>0 then begin if u4>0 then print "*-*-"; else print "****"; end
            else begin if u4>0 then print "----"; else print "    "; end
    if p5>0 then begin if u5>0 then print "*-*-"; else print "****"; end
            else begin if u5>0 then print "----"; else print "    "; end
    if p6>0 then begin if u6>0 then print "*-*-"; else print "****"; end
            else begin if u6>0 then print "----"; else print "    "; end
    if p7>0 then begin if u7>0 then print "*-*-"; else print "****"; end
            else begin if u7>0 then print "----"; else print "    "; end
    if p8>0 then begin if u8>0 then print "*-*-"; else print "****"; end
            else begin if u8>0 then print "----"; else print "    "; end
    if p9>0 then begin if u9>0 then print "*-*-"; else print "****"; end
            else begin if u9>0 then print "----"; else print "    "; end
    if p10>0 then begin if u10>0 then print "*-*-"; else print "****"; end
             else begin if u10>0 then print "----"; else print "    "; end
    if p11>0 then begin if u11>0 then print "*-*-"; else print "****"; end
             else begin if u11>0 then print "----"; else print "    "; end
    if p12>0 then begin if u12>0 then print "*-*-"; else print "****"; end
             else begin if u12>0 then print "----"; else print "    "; end
    if p13>0 then begin if u13>0 then print "*-*-"; else print "****"; end
             else begin if u13>0 then print "----"; else print "    "; end
    if p14>0 then begin if u14>0 then print "*-*-"; else print "****"; end
             else begin if u14>0 then print "----"; else print "    "; end
    if p15>0 then begin if u15>0 then print "*-*-"; else print "****"; end
             else begin if u15>0 then print "----"; else print "    "; end
```

```
    if p16>0 then begin if u16>0 then print "*-*-"; else print "****"; end
             else begin if u16>0 then print "----"; else print "    "; end
    print "!"
  end
  print "!       ";
  if ssnd_def1>0 then begin print ssnd_def1 using " ####";
    if ssnd_con1<>" " then print "-",ssnd_con1; else print "  "; end
  if ssnd_def2>0 then begin print ssnd_def2 using " ####";
    if ssnd_con2<>" " then print "-",ssnd_con2; else print "  "; end
  if ssnd_def3>0 then begin print ssnd_def3 using " ####";
    if ssnd_con3<>" " then print "-",ssnd_con3; else print "  "; end
  if ssnd_def4>0 then begin print ssnd_def4 using " ####";
    if ssnd_con4<>" " then print "-",ssnd_con4; else print "  "; end
  if ssnd_def5>0 then begin print ssnd_def5 using " ####";
    if ssnd_con5<>" " then print "-",ssnd_con5; else print "  "; end
  if ssnd_def6>0 then begin print ssnd_def6 using " ####";
    if ssnd_con6<>" " then print "-",ssnd_con6; else print "  "; end
  if ssnd_def7>0 then begin print ssnd_def7 using " ####";
    if ssnd_con7<>" " then print "-",ssnd_con7; else print "  "; end
  if ssnd_def8>0 then begin print ssnd_def8 using " ####";
    if ssnd_con8<>" " then print "-",ssnd_con8; else print "  "; end
  print column 67,"!",column 132, "!"
  let eval = eval+1
  if eval = 20 then begin
    print "!",column 67,"!",column 132, "!"
    print " ----------------------------------------------------------------",
          "------------ ------------------------------------------------- "
    skip to top of page
  end

page trailer
   print "Legend:",column 48,"*****  U N C L A S S I F I E D  *****"
   print "  **** - Funded Procurement",column 100,date,2 spaces,time
   print "  ---- - Unfunded Procurement";
   if pletter = "Z" then print column 60,pno
   else print column 60,pletter,"-",pno using "###"
   let pno = pno+1

end
```

```
{ 7/10/86.  LRRDP/BDP alignment report for 1986 BDP deficiencies.
  7/15/86.  changed uniwkp_wc to uniwkp_srf. }

database mamp end

define
  variable cont     type integer
  variable pno      type integer
  variable flag     type integer
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "bdpalignmt.out"
end

read into d
  dcl_def
  defx_85
  where dcl_name = name and dcl_code = code
  joining dcl_def = defx_86
end

read into e
  d
  ssndef_ssn ssndef_cont_value
  where ssndef_cont_value <> " " and ssndef_cont_value <> "X"
  joining d.dcl_def = ssndef_def
end

read into c
  e
  lrrdp_sys_idx lrrdp_title
  ssn_tradoc_pro
  joining e.ssndef_ssn = lrrdp_ssn
      and e.ssndef_ssn = optional ssn_ssn
end

read into b
  c
  uniwkp_srf
  wkpkg_cmd wkpkg_pe wkpkg_proj wkpkg_task wkpkg_no wkpkg_title
  joining c.lrrdp_sys_idx = optional uniwkp_sys_idx
      and uniwkp_wkpkg_idx = optional wkpkg_wkpsys_idx
end

sort by dcl_def lrrdp_pdip ssndef_ssn
        wkpkg_cmd wkpkg_pe wkpkg_proj wkpkg_task wkpkg_no
```

```
        end

format

page header
  print column 47,"*****  U N C L A S S I F I E D  *****"
  skip 2 lines
  print column 49,"LRRDP/BDP 1986 ALIGNMENT FOR ",name;
  if cont = 1 then print " (continued)" else print ""
  let cont = 1
  skip 2 lines
  print 2 spaces,"BDP DEFICIENCY:   1986:",dcl_def,5 spaces,"1985:",defx_85
  skip 2 lines
  print 2 spaces,"PDIP-INCR",10 spaces,"NSI/SSN/PE PROJ",25 spaces,
    "PROGRAM",25 spaces,"PROPONENT",15 spaces,"CONT VALUE"
  print 1 space,"-----------",8 spaces,"-----------------",23 spaces,
    "---------",23 spaces,"-----------",13 spaces,"-------------"

page trailer
  skip 2 lines
  print column 47,"*****  U N C L A S S I F I E D  *****"
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno
  using "###" let pno = pno+1

before group of dcl_def
  let cont = 0
  skip to top of page

before group of lrrdp_pdip
  let flag = 0

before group of ssndef_ssn
  skip 1 line
  if flag = 0 then begin
    print 3 spaces,lrrdp_pdip[1,4],"-",lrrdp_pdip[5,6];
    let flag = 1
  end
  else print 10 spaces;
  print 11 spaces,ssndef_ssn,15 spaces,lrrdp_title[1,45],9 spaces,
     ssn_tradoc_pro,22 spaces,ssndef_cont_value

before group of wkpkg_no
  if wkpkg_cmd <> " " then begin
    print column 28,wkpkg_cmd[1,8],1 space,wkpkg_pe,1 space,wkpkg_proj,1 space,
          wkpkg_task[1,4],1 space,1 space,wkpkg_no,3 spaces,wkpkg_title[1,50],
          8 spaces,uniwkp_srf using "#"
  end

end
```

```
{  Bill Payer Report

  5/15/86 bill payer report taken from fundwpbdp2.  Added running subtotals.
  5/16/86 changed titles, added command parameter, changed the bpcss file. }

database mamp end

define
  variable pno      type integer
  variable pgend    type integer
  variable cnt      type integer
  variable s0       type long
  variable s1       type long
  variable s2       type long
  variable s3       type long
  variable s4       type long
  variable s5       type long
  variable s6       type long
  variable s7       type long
  param[1] pletter type character length 1
  param[2] cmd      type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "bpcss out"
end

read into b
  bpcss
  where bpcss_cmd matches cmd
end

sort by bpcss_bdp descending end

format

page header
  print column 47,"******  U N C L A S S I F I E D  ******"
  skip 2 lines
  print column 48,"CSS N TO 1 BDP WORKPACKAGE BILLPAYERS"
  print column 48,"        WITH CUMULATIVE TOTALS"
  skip 2 lines
  print column 87,"FUNDED DEVELOPMENT SCHEDULE"
  print " ------------------------------------------------------------------",
        "------------------------------------------------------------------ "
  print "!        PE/PROJ/TASK/WKPKG",5 spaces,"TITLE",column 67,
        "!  FY86    FY87    FY88    FY89    FY90    FY91    FY92    FY93  !"
  print "!------------------------------------------------------------------",
        "!------------------------------------------------------------------!"
  print "!",column 67,"!",column 132, "!"
```

```
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  let pgend = 0

page trailer
  if pgend = 0 then begin
    print " ------------------------------------------------------------------------",
          "------------------------------------------------------------------------ "
  end
  else skip 1 line
  skip 2 lines
  print column 47,"******  U N C L A S S I F I E D  ******"
  print column 100,date,2 spaces,time
  if pletter = "Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

on last record
  print " ------------------------------------------------------------------------",
        "------------------------------------------------------------------------ "
  let pgend = 1

before group of bpcss_bdp
  print "| ",bpcss_bdp using "###  ",bpcss_title[1,55],column 67,"|";
  if bpcss_f0>0 then print bpcss_f0 using "####### "; else print "        ";
  if bpcss_f1>0 then print bpcss_f1 using "####### "; else print "        ";
  if bpcss_f2>0 then print bpcss_f2 using "####### "; else print "        ";
  if bpcss_f3>0 then print bpcss_f3 using "####### "; else print "        ";
  if bpcss_f4>0 then print bpcss_f4 using "####### "; else print "        ";
  if bpcss_f5>0 then print bpcss_f5 using "####### "; else print "        ";
  if bpcss_f6>0 then print bpcss_f6 using "####### "; else print "        ";
  if bpcss_f7>0 then print bpcss_f7 using "####### "; else print "        ";
  print "|"
  print "| ",5 spaces,bpcss_cmd,1 space,
       bpcss_pe,1 space,bpcss_proj,1 space,bpcss_task clipped,1 space,
       bpcss_wkpkg,column 55,"CUM TOTAL:",column 67,"|";
  let s0 = s0+bpcss_f0
  let s1 = s1+bpcss_f1
  let s2 = s2+bpcss_f2
  let s3 = s3+bpcss_f3
  let s4 = s4+bpcss_f4
  let s5 = s5+bpcss_f5
  let s6 = s6+bpcss_f6
  let s7 = s7+bpcss_f7
  print s0 using "####### ",s1 using "####### ",s2 using "####### ",
        s3 using "####### ",s4 using "####### ",s5 using "####### ",
        s6 using "####### ",s7 using "#######","|"
  print "|",column 67,"|",column 132,"|"

end
```

```
{  Reverse of Bill Payer Report - Decision Aid

  5/15/86 bill payer report taken from fundwpbdp2.  Added running subtotals.
  5/16/86 changed titles, added command parameter, changed the bpcss file.
  5/16/86 taken from bpcss bill payer report and changed title and sort }

database mamp end

define
  variable pno      type integer
  variable pgend    type integer
  variable cnt      type integer
  variable s0       type long
  variable s1       type long
  variable s2       type long
  variable s3       type long
  variable s4       type long
  variable s5       type long
  variable s6       type long
  variable s7       type long
  param[1] pletter type character length 1
  param[2] cmd      type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "bpcssa.out"
end

read into b
  bpcss
  where bpcss_cmd matches cmd
end

sort by bpcss_bdp end

format

page header
  print column 47,"******  U N C L A S S I F I E D  ******"
  skip 2 lines
  print column 47,"CSS 1 TO N BDP WORKPACKAGE DECISION AID"
  print column 47,"         WITH CUMULATIVE TOTALS"
  skip 2 lines
  print column 87,"FUNDED DEVELOPMENT SCHEDULE"
  print " ------------------------------------------------------------------",
        "------------------------------------------------------------------ "
  print "|        PE/PROJ/TASK/WKPKG",5 spaces,"TITLE",column 67,
        "|  FY86    FY87    FY88    FY89    FY90    FY91    FY92    FY93  |"
  print "|------------------------------------------------------------------",
        "|------------------------------------------------------------------|"
```

```
  print "!",column 67,"!",column 132, "!"
  let pgend = 0

page trailer
  if pgend = 0 then begin
    print " ------------------------------------------------------------------------",
          "------------------------------------------------------------------------ "
  end
  else skip 1 line
  skip 2 lines
  print column 47,"******  U N C L A S S I F I E D  ******"
  print column 100,date,2 spaces,time
  if pletter = "Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

on last record
  print " ------------------------------------------------------------------------",
        "------------------------------------------------------------------------ "
  let pgend = 1

before group of bpcss_bdp
  print "!  ",bpcss_bdp using "###  ",bpcss_title[1,55],column 67,"!";
  if bpcss_f0!=0 then print bpcss_f0 using "######## "; else print "         ";
  if bpcss_f1!=0 then print bpcss_f1 using "######## "; else print "         ";
  if bpcss_f2!=0 then print bpcss_f2 using "######## "; else print "         ";
  if bpcss_f3!=0 then print bpcss_f3 using "######## "; else print "         ";
  if bpcss_f4!=0 then print bpcss_f4 using "######## "; else print "         ";
  if bpcss_f5!=0 then print bpcss_f5 using "######## "; else print "         ";
  if bpcss_f6!=0 then print bpcss_f6 using "######## "; else print "         ";
  if bpcss_f7!=0 then print bpcss_f7 using "######## "; else print "         ";
  print "!"
  print "!  ",5 spaces,bpcss_cmd,1 space,
        bpcss_pe,1 space,bpcss_proj,1 space,bpcss_task clipped,1 space,
        bpcss_wkpkg,column 55,"CUM TOTAL:",column 67,"!";
  let s0 = s0+bpcss_f0
  let s1 = s1+bpcss_f1
  let s2 = s2+bpcss_f2
  let s3 = s3+bpcss_f3
  let s4 = s4+bpcss_f4
  let s5 = s5+bpcss_f5
  let s6 = s6+bpcss_f6
  let s7 = s7+bpcss_f7
  print s0 using "######## ",s1 using "######## ",s2 using "######## ",
        s3 using "######## ",s4 using "######## ",s5 using "######## ",
        s6 using "######## ",s7 using "######## ","!"
  print "!",column 67,"!",column 132,"!"

end
```

```
{  This program creates the bill payer record for a particular mission area.  }

database mamp end

define
  param[1] base type integer
  param[2] code type integer
  param[3] name type character length 12
  variable cnt  type integer
  variable v    type character length 1
  variable byr  type integer
  variable f0   type long
  variable f1   type long
  variable f2   type long
  variable f3   type long
  variable f4   type long
  variable f5   type long
  variable f6   type long
  variable f7   type long
end

output
  top margin 0
  page length 32000
  left margin 0
  right margin 132
  report to "bpdata.out"
end

read into a
  pcl_idx
  where pcl_code = code and pcl_name = name
    and (pcl_subcat = "6.3A" or pcl_subcat = "6.3B" or pcl_subcat = "6.4"
         or pcl_subcat = "6.7")
end

read into b
  prior2_score prior2_nsys
  wkpkg_no_idx wkpkg_pe wkpkg_proj wkpkg_task wkpkg_title
  joining a pcl_idx = wkpkg_proj_idx
      and wkpkg_no_idx = optional prior2_wkpkg_idx
end

read into d
  wkpf_wkpkg_idx wkpf_yr wkpf_fund
  where wkpf_fund > 0
  joining b wkpkg_no_idx = wkpf_wkpkg_idx
end

read into a
  b
  d.wkpf_yr d.wkpf_fund
  joining b wkpkg_no_idx = optional d.wkpf_wkpkg_idx
end

sort by  prior2_score descending prior2_nsys descending
```

```
        wkpkg_pe wkpkg_proj wkpkg_task wkpkg_no wkpf_yr end

format

before group of wkpkg_no
  let v = "|"
  let byr = wkpf_yr
  let f0 = 0
  let f1 = 0
  let f2 = 0
  let f3 = 0
  let f4 = 0
  let f5 = 0
  let f6 = 0
  let f7 = 0
  let cnt = cnt+1
  print cnt,v,wkpkg_title,v,wkpkg_cmd,v,wkpkg_pe,v,wkpkg_proj,v,
        wkpkg_task,v,wkpkg_no,v;

after group of wkpkg_no
  print f0,v,f1,v,f2,v,f3,v,f4,v,f5,v,f6,v,f7,v

before group of wkpf_yr
  if wkpf_yr = base then let f0 = wkpf_fund
  else if wkpf_yr = base+1 then let f1 = wkpf_fund
  else if wkpf_yr = base+2 then let f2 = wkpf_fund
  else if wkpf_yr = base+3 then let f3 = wkpf_fund
  else if wkpf_yr = base+4 then let f4 = wkpf_fund
  else if wkpf_yr = base+5 then let f5 = wkpf_fund
  else if wkpf_yr = base+6 then let f6 = wkpf_fund
  else if wkpf_yr = base+7 then let f7 = wkpf_fund

end
```

```
{ System Check for a Command  and a mission area
  Modified 5/23/86. changed to mamp database. }

database mamp end

define
  variable total_fund type integer
  param[1] code       type integer
  param[2] name       type character length 12
  param[3] cmd        type character length 12
end

output
  left margin 0
  right margin 132
  report to "cksyscmd.out"
end

read into b
  scl_ssn
  where scl_code = code and scl_name = name
end

read into c
  b
  ssn hipri_title
  where ssn_amc_mgr = cmd
  joining b.scl_ssn = optional ssn_ssn
          b.scl_ssn = hipri_ssn
end

read into a
  c
  lrrdp_ssn
  lrrdp_procf1 lrrdp_procf2 lrrdp_procf3
  lrrdp_procf4 lrrdp_procf5 lrrdp_procf6
  lrrdp_procf7 lrrdp_procf8 lrrdp_procf9
  lrrdp_procf10 lrrdp_procf11 lrrdp_procf12
  lrrdp_procf13 lrrdp_procf14 lrrdp_procf15
  lrrdp_procf16
  ssndroll
  assr
  joining c.scl_ssn = optional lrrdp_ssn
      and c.scl_ssn = optional ssnd_ssn
      and c.scl_ssn = optional assr_ssn
end

read into b
  a
  wkpkg_pe wkpkg_proj wkpkg_task wkpkg_title
  wkpkg_subcat wkpkg_cmd wkpkg_no wkpkg_pri wkpkg_lab
  wkpkg_trans_date
  joining a.scl_ssn = optional wkpsys_ssn
      and wkpsys_wkpkg_idx = optional wkpkg_wkpsys_idx
end
```

```
sort by ssn_amc_mgr, scl_ssn, wkpkg_cmd, wkpkg_subcat descending,
  wkpkg_pe, wkpkg_proj, wkpkg_no
end

format

page header
  print column 47, "****** C O N F I D E N T I A L ******"
  skip 2 lines

page trailer
  skip 1 line
  print column 47, "****** C O N F I D E N T I A L ******"
  skip 1 line
  print 60 spaces, pageno

before group of scl_ssn
  skip to top of page
  print 20 spaces, "SSN:   ", scl_ssn, 20 spaces, "TITLE:   ";
  if hipri_title = " " then print "_____"
                       else print hipri_title
  skip 1 line
  print "Associated SSN's:";
  if assr_ssn <> " " then print 4 spaces, assr_ssn1, 4 spaces, assr_ssn2,
        4 spaces, assr_ssn3, 4 spaces, assr_ssn4, 4 spaces, assr_ssn5,
        4 spaces, assr_ssn6, 4 spaces, assr_ssn7, 4 spaces, assr_ssn8,
        4 spaces, assr_ssn9, 4 spaces, assr_ssn10
  else print 4 spaces, "_____", 4 spaces, "_____", 4 spaces, "_____"
  skip 1 line
  print "Mission Area:   ";
  if ssn_da_ma = " " then print "_____";
                     else print ssn_da_ma;
  if ssn_tradoc_ma = " " then print "/_____";
                         else print "/", ssn_tradoc_ma;
  print column 80, "AMCMSC:   ";
  if ssn_amc_msc = " " then print "_____"
                       else print ssn_amc_msc
  print "Commodity Line:   ";
  if ssn_com_line = " " then print "_____";
                        else print ssn_com_line;
  print column 80, "AMC Manager:   ";
  if ssn_amc_mgr = " " then print "_____"
                       else print ssn_amc_mgr
  print "Cross Functional Area:   ";
  if ssn_xfuncarea = " " then print "_____";
                         else print ssn_xfuncarea;
  print column 80, "TRADOC Proponent:   ";
  if ssn_tradoc_pro = " " then print "___"
                          else print ssn_tradoc_pro
  print "Acquisition Type:   ";
    if ssn_acq_code = 1 then print "Base Case";
    else if ssn_acq_code = 2 then print "Type Classified";
    else if ssn_acq_code = 3 then print "Development";
    else if ssn_acq_code = 4 then print "PIPs";
    else if ssn_acq_code = 5 then print "Technology Demonstrators";
    else if ssn_acq_code = 6 then print "Broad Base Tech Area";
```

```
    else if ssn_acq_code = 7 then print "Requirement Above Corps";
    else print " ";
  print column 80,"Req. Document:  ","(";
  if ssn_req_doc1=" " then print "_____,"; else print ssn_req_doc1,",";
  if ssn_req_doc2=" " then print "_____,"; else print ssn_req_doc2,",";
  if ssn_req_doc3=" " then print "_____)"  else print ssn_req_doc3,")"
  skip 1 line
  print "DEFICIENCIES:  ";
  if ssnd_ssn<>" " then begin
    if ssnd_def1>0 then print ssnd_def1,"-",ssnd_con1;
    if ssnd_def2>0 then print ", ",ssnd_def2,"-",ssnd_con2;
    if ssnd_def3>0 then print ", ",ssnd_def3,"-",ssnd_con3;
    if ssnd_def4>0 then print ", ",ssnd_def4,"-",ssnd_con4;
    if ssnd_def5>0 then print ", ",ssnd_def5,"-",ssnd_con5;
    if ssnd_def6>0 then print ", ",ssnd_def6,"-",ssnd_con6;
    if ssnd_def7>0 then print ", ",ssnd_def7,"-",ssnd_con7;
    if ssnd_def8>0 then print ", ",ssnd_def8,"-",ssnd_con8;
    print " " end
  else print "___-__,  ___-__,  ___-__,  ___-__,  ___-__,  ___-__"
  skip 2 lines
  print "DESCRIPTION:";
  if ssn_ssn<>" " then begin
    print ssn_desc[1,120] clipped
    print 12 spaces,ssn_desc[121,240] clipped
    print 12 spaces,ssn_desc[241,360] clipped
    print 12 spaces,ssn_desc[361,480] clipped
    print 12 spaces,ssn_desc[481,600] clipped end
  else begin
    print "_____"
    print 12 spaces,"_____"
    print 12 spaces,"_____"
    print 12 spaces,"_____"
    print 12 spaces,"_____"
  end
  skip 2 lines
  print "PROCUREMENT FUNDING DATA"
  if lrrdp_ssn<>" " then begin
    skip 1 line
    print "YEAR  ",5 spaces,"FUNDED"
    print "1986  ",lrrdp_procf1
    print "1987  ",lrrdp_procf2
    print "1988  ",lrrdp_procf3
    print "1989  ",lrrdp_procf4
    print "1990  ",lrrdp_procf5
    print "1991  ",lrrdp_procf6
    print "1992  ",lrrdp_procf7
    print "1993  ",lrrdp_procf8
    print "1994  ",lrrdp_procf9
    print "1995  ",lrrdp_procf10
    print "1996  ",lrrdp_procf11
    print "1997  ",lrrdp_procf12
    print "1998  ",lrrdp_procf13
    print "1999  ",lrrdp_procf14
    print "2000  ",lrrdp_procf15
    print "2001  ",lrrdp_procf16
  end
```

```
  else begin
    skip 1 line
    print "YEAR        FUNDED  "
    print "1986     __________  "
    print "1987     __________  "
    print "1988     __________  "
    print "1989     __________  "
    print "1990     __________  "
    print "1991     __________  "
    print "1992     __________  "
    print "1993     __________  "
    print "1994     __________  "
    print "1995     __________  "
    print "1996     __________  "
    print "1997     __________  "
    print "1998     __________  "
    print "1999     __________  "
    print "2000     __________  "
    print "2001     __________  "
  end
  skip 2 lines
  print "WORKPACKAGE DATA"
  skip 1 line
  print "PE      PROJ  TASK   SUB     WKPKG  TRAN  COMMAND   LAB       PRI     TITLE"
  skip 1 line

on every record (before group of wkpsys_wkpkg)
  if wkpkg_pe<>" " then print wkpkg_pe,2 spaces;
  else print "_____   ";
  if wkpkg_proj<>" " then print wkpkg_proj,3 spaces;
  else print "____    ";
  if wkpkg_task<>" " then print wkpkg_task[1,4],2 spaces;
  else print "____  ";
  if wkpkg_subcat<>" " then print wkpkg_subcat,2 spaces;
  else print "___  ";
  if wkpkg_no<>" " then print wkpkg_no,2 spaces;
  else print "_______ ";
  if wkpkg_trans_date<>" " then print wkpkg_trans_date,2 spaces;
  else print "____  ";
  if wkpkg_cmd<>" " then print wkpkg_cmd[1,8],2 spaces;
  else print "________  ";
  if wkpkg_lab<>" " then print wkpkg_lab[1,8],2 spaces;
  else print "________  ";
  if wkpkg_pri<>0 then print wkpkg_pri using "###",5 spaces;
  else print "___      ";
  if wkpkg_title<>" " then print wkpkg_title
  else print "_____________________________________________"

end
```

```
{ Check for Workpackages not linked to systems.

  5/29/86. changed to mamp database.
  7/24/86  revised to make generic. }

database mamp end

define
  param[1] code  type integer
  param[2] name  type character length 12
end

output
  left margin 0
  right margin 132
  report to "ckwkpkg.out"
end

read into c
  pcl_idx
  where pcl_code = code and pcl_name = name
end

read into a
  wkpkg_wkpsys_idx wkpkg_lab wkpkg_title
  joining c.pcl_idx = wkpkg_proj_idx
end

read into b
  a
  joining a.wkpkg_wkpsys_idx = wkpsys_wkpkg_idx
end

assign c = a minus b end

sort by wkpkg_pe wkpkg_proj wkpkg_task wkpkg_no end

format

page header
  print column 45,name clipped," FUNDED WORKPACKAGES NOT LINKED TO SYSTEMS"
  skip 2 lines
  print "PE     PROJ   TASK       SUB   WKPKG    COMMAND  LAB            TITLE"
  skip 1 line

page trailer
  skip 1 line
  print column 60,pageno

before group of wkpkg_no
  print wkpkg_pe,2 spaces,wkpkg_proj,3 spaces,wkpkg_task,2 spaces,
        wkpkg_subcat,2 spaces,wkpkg_no,2 spaces,
        wkpkg_cmd[1,8],1 space,wkpkg_lab,2 spaces,wkpkg_title

end
```

```
database mamp end

 { Last modified 2/6/86 to add mission area and date-time stamp.
   2.7.86 to change ssndesc_commodity.
   3/6/86 to add page letter option and page number input.
   5/6/86 changed to mamp database.
   6/13/86 deleted command sort.
   7/24/86 merged w/ comindex1 to have parameter to indicate whether to print
           column for profile. }

define
  param[1] pletter type character length 1
  param[2] code    type integer
  param[3] name    type character length 12
  param[4] pro     type character length 1
  variable pno     type integer
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "comindex.out"
end

read into b
  scl_ssn
  where scl_name = name and scl_code = code
end

read into a
  ssn_com_line
  joining b.scl_ssn = ssn_ssn
end

sort by ssn_com_line end

format

before group of ssn_com_line
  if pro = "Y" then print 40 spaces; else print 50 spaces;
  print ssn_com_line,17 spaces,"---";
  if pro = "Y" then print 17 spaces,"---" else print ""

page header
  print column 47,"******  U N C L A S S I F I E D  ******"
  skip 3 lines
  print column 43,name clipped," COMMODITY LINE INDEX IN ALPHABETICAL ORDER"
  skip 3 lines
  if pro = "Y" then print 38 spaces; else print 48 spaces;
  print "COMMODITY LINE",10 spaces,"SUMMARY PAGE";
  if pro = "Y" then print 7 spaces,"FUNDING PROFILE" else print ""
  skip 2 lines
```

```
page trailer
  skip 2 lines
  print column 47,"******  U N C L A S S I F I E D  ******"
  print column 100,date,2 spaces,time
  if pletter="Z" then print 60 spaces,pno
  else print 60 spaces,pletter,"-",pno using "###"
  let pno = pno+1

end
```

```
{ Command to Commodity Line to System to Funding Summary }

{ last changed 2/6/86 to add mission area parameter and date-time stamp
  2.7.86 add page letter parameter, change major system to commodity.
  5/6/86 changed to the mamp database.
  5/28/86 deleted command sort, now only one or more sheets per commodity.
  6/5/86 added acquisition strategy from new com file and sort the systems by
         acquisition code.
  6/6/86 added system pdip at the expense of two outyears ***'s.
  6/9/86 changed pdip to the highest priority pdip.
  7/29/86 changed to unclassified since the deficiency numbers are no longer
         classified. }

database mamp end

define
  variable cnt      type integer
  variable head     type integer
  variable cont     type integer
  variable break    type integer
  variable obreak   type integer
  variable pno      type integer
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "commod.out"
end

read into b
  scl_ssn
  where scl_name = name and scl_code = code
end

read into a
  b
  ssn_acq_code ssn_amc_mgr ssn_com_line ssn_tradoc_ma ssn_da_ma
  ssndroll
  hipri_pdip
  lrrdp_title
  lrrdp_procf1  lrrdp_procf2  lrrdp_procf3  lrrdp_procf4
  lrrdp_procf5  lrrdp_procf6  lrrdp_procf7  lrrdp_procf8
  lrrdp_procf9  lrrdp_procf10 lrrdp_procf11 lrrdp_procf12
  lrrdp_procf13 lrrdp_procf14
  joining b.scl_ssn = optional ssn_ssn
      and b.scl_ssn = optional ssnd_ssn
      and b.scl_ssn = optional lrrdp_ssn
      and b.scl_ssn = optional hipri_ssn
```

```
end

read into c
  a
  com_acq_strat
  acq_type
  joining a.ssn_com_line = optional com_com_line
      and a.ssn_acq_code = acq_code
end

sort by ssn_com_line ssn_acq_code scl_ssn end

format

page header
  let cnt = 0
  print column 47,"*****  U N C L A S S I F I E D  *****"
  skip 2 lines
  print column 46;
  if ssn_com_line <> " " then print ssn_com_line clipped;
                              else print "__________";
  print " COMMODITY LINE SUMMARY FOR ",name clipped;
  if cont = 1 then print " (continued)" else print ""
  let cont = 0
  skip 2 lines
  let head = 1

page trailer
  print "Legend:",column 47,"*****  U N C L A S S I F I E D  *****"
  print "  **** - Funded Procurement",column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of ssn_com_line
  skip to top of page
  print "Acquisition Strategy: ";
  let break = 110
  while com_acq_strat[break,break]<>" " do let break = break-1
  print com_acq_strat[1,break]
  let obreak = break+1
  let break = break+125
  while com_acq_strat[break,break]<>" " do let break = break-1
  print 7 spaces,com_acq_strat[obreak,break]
  let obreak = break+1
  let break = break+125
  while com_acq_strat[break,break]<>" " do let break = break-1
  print 7 spaces,com_acq_strat[obreak,break]
  let obreak = break+1
  let break = break+125
  while com_acq_strat[break,break]<>" " do let break = break-1
  print 7 spaces,com_acq_strat[obreak,break]
  let obreak = break+1
  let break = break+125
  if break>600 then let break = 600
  while com_acq_strat[break,break]<>" " do let break = break-1
```

```
  print 7 spaces,com_acq_strat[obreak,break]
  skip 1 lines
  let cnt = cnt+3

after group of ssn_com_line
  print " ------------------------------------------------------------------",
     "------------------------------------------------------------------- "

before group of ssn_acq_code
  if cnt > 19 then begin
    let cont = 1
    print "|",column 67,"|",column 75,"|",column 132,"|"
    print " ------------------------------------------------------------------",
       "------------------------------------------------------------------- "
    skip to top of page
    let cnt = 1
  end
  if head = 1 then begin
    print column 90,"PROCUREMENT SCHEDULE"
    print " ------------------------------------------------------------------",
          "------------------------------------------------------------------- "
    print "|  SSN",10 spaces,"TITLE/DEFICIENCIES",column 57,"DA/TDC MA",
       column 67,"|  PDIP |",
       " 86  87  88  89  90  91  92  93  94  95  96  97  98  99 |"
    print "|------------------------------------------------------------------|",
          "------------------------------------------------------------------|"
    let head = 0
  end
  print "|",column 67,"|",column 75,"|",column 132,"|"
  print "|",9 spaces,"*****  ",acq_type clipped,"  *****",
        column 67,"|",column 75,"|",column 132,"|"
  print "|",column 67,"|",column 75,"|",column 132,"|"
  let cnt = cnt+2

after group of ssn_acq_code
  print "|",column 67,"|",column 75,"|",column 132,"|"

before group of scl_ssn
  let cnt = cnt+1
  if cnt>21 then begin
    let cont = 1
    print "|",column 67,"|",column 75,"|",column 132,"|"
    print " ------------------------------------------------------------------",
       "------------------------------------------------------------------- "
    skip to top of page
    let cnt = 1
  end
  if head = 1 then begin
    print column 90,"PROCUREMENT SCHEDULE"
    print " ------------------------------------------------------------------",
          "------------------------------------------------------------------- "
    print "|  SSN",10 spaces,"TITLE/DEFICIENCIES",column 57,"DA/TDC MA",
       column 67,"|  PDIP |",
       " 86  87  88  89  90  91  92  93  94  95  96  97  98  99 |"
    print "|------------------------------------------------------------------|",
          "------------------------------------------------------------------|"
```

```
    print "|",column 67,"|",column 75,"|",column 132,"|"
    let head = 0
  end
  print "| ",scl_ssn,2 spaces,lrrdp_title[1,45],1 space,
        ssn_da_ma," / ",ssn_tradoc_ma,column 67,"|",hipri_pdip[1,4],"-",
        hipri_pdip[5,6],"|";

after group of scl_ssn
  if scl_ssn matches "4*" then print column 93,"< Stock Funded >";
  else begin
  if group total of lrrdp_procf1>0 then print "****"; else print "    ";
  if group total of lrrdp_procf2>0 then print "****"; else print "    ";
  if group total of lrrdp_procf3>0 then print "****"; else print "    ";
  if group total of lrrdp_procf4>0 then print "****"; else print "    ";
  if group total of lrrdp_procf5>0 then print "****"; else print "    ";
  if group total of lrrdp_procf6>0 then print "****"; else print "    ";
  if group total of lrrdp_procf7>0 then print "****"; else print "    ";
  if group total of lrrdp_procf8>0 then print "****"; else print "    ";
  if group total of lrrdp_procf9>0 then print "****"; else print "    ";
  if group total of lrrdp_procf10>0 then print "****"; else print "    ";
  if group total of lrrdp_procf11>0 then print "****"; else print "    ";
  if group total of lrrdp_procf12>0 then print "****"; else print "    ";
  if group total of lrrdp_procf13>0 then print "****"; else print "    ";
  if group total of lrrdp_procf14>0 then print "****"; else print "    ";
  end
  print column 132,"|"
  print "| ",8 spaces,ssn_amc_mgr[1,7];
  if ssnd_def1>0 then begin
    print ssnd_def1 using " ####";
    if ssnd_con1<>" " then print "-",ssnd_con1; else print "  "; end
  if ssnd_def2>0 then begin
    print ssnd_def2 using " ####";
    if ssnd_con2<>" " then print "-",ssnd_con2; else print "  "; end
  if ssnd_def3>0 then begin
    print ssnd_def3 using " ####";
    if ssnd_con3<>" " then print "-",ssnd_con3; else print "  "; end
  if ssnd_def4>0 then begin
    print ssnd_def4 using " ####";
    if ssnd_con4<>" " then print "-",ssnd_con4; else print "  "; end
  if ssnd_def5>0 then begin
    print ssnd_def5 using " ####";
    if ssnd_con5<>" " then print "-",ssnd_con5; else print "  "; end
  if ssnd_def6>0 then begin
    print ssnd_def6 using " ####";
    if ssnd_con6<>" " then print "-",ssnd_con6; else print "  "; end
  if ssnd_def7>0 then begin
    print ssnd_def7 using " ####";
    if ssnd_con7<>" " then print "-",ssnd_con7; else print "  "; end
{ if ssnd_def8>0 then begin
    print ssnd_def8 using " ####";
    if ssnd_con8<>" " then print "-",ssnd_con8; else print "  "; end }
  print column 67,"|",column 75,"|",column 132,"|"

end
```

```
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{ Commodity Profile Report Generator part 1. Totals the funded and
  unfunded rdte workpackages appropriate to each specific commodity line.}

{ last modified 2/7/86.  added mission area parameter and changes to ssndesc.
  modified 5/28/86. changed to mamp database.
  7/21/86 changed to unique workpackage linkage to systems.
          added parameter to indicate a specific commodity line.
          deleted 85 and added 93.
  7/25/86 changed to generic years and fundpro file structure.}

database mamp end

define
  param[1]    code          type integer
  param[2]    name          type character length 12
  param[3]    com           type character length 10
  variable    v             type character length 1
  variable    f0_tb         type long
  variable    u0_tb         type long
  variable    f0_dev        type long
  variable    u0_dev        type long
  variable    f1_tb         type long
  variable    u1_tb         type long
  variable    f1_dev        type long
  variable    u1_dev        type long
  variable    f2_tb         type long
  variable    u2_tb         type long
  variable    f2_dev        type long
  variable    u2_dev        type long
  variable    f3_tb         type long
  variable    u3_tb         type long
  variable    f3_dev        type long
  variable    u3_dev        type long
  variable    f4_tb         type long
  variable    u4_tb         type long
  variable    f4_dev        type long
  variable    u4_dev        type long
  variable    f5_tb         type long
  variable    u5_tb         type long
  variable    f5_dev        type long
  variable    u5_dev        type long
  variable    f6_tb         type long
  variable    u6_tb         type long
  variable    f6_dev        type long
  variable    u6_dev        type long
  variable    f7_tb         type long
  variable    u7_tb         type long
  variable    f7_dev        type long
  variable    u7_dev        type long
end

output
  top margin 0
  left margin 0
  page length 32000
  report to "compro1.out"
```
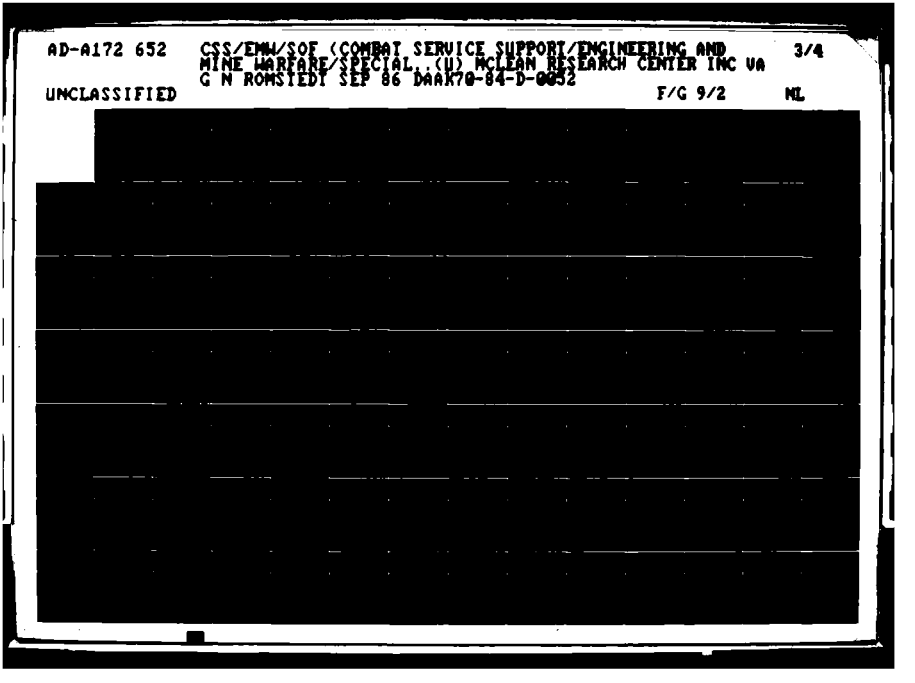

```
end

read into a
  scl_ssn
  where scl_code = code and scl_name = name
end

read into b
  a
  ssn_com_line
  where ssn_com_line matches com
  joining a.scl_ssn = ssn_ssn
end

read  into c
  b
  wkpkg_no_idx wkpkg_subcat
  wkpfr_f0 wkpfr_f1 wkpfr_f2 wkpfr_f3 wkpfr_f4 wkpfr_f5 wkpfr_f6 wkpfr_f7
  wkpfr_u0 wkpfr_u1 wkpfr_u2 wkpfr_u3 wkpfr_u4 wkpfr_u5 wkpfr_u6 wkpfr_u7
  joining b.scl_ssn = uniwkp_ssn
      and uniwkp_wkpkg_idx = wkpkg_wkpsys_idx
      and wkpkg_no_idx = wkpfr_wkpkg_idx
end

sort by ssn_com_line wkpkg_cmd wkpkg_cat wkpkg_no end

format

before group of ssn_com_line
  let f0_tb = 0
  let u0_tb = 0
  let f0_dev = 0
  let u0_dev = 0
  let f1_tb = 0
  let u1_tb = 0
  let f1_dev = 0
  let u1_dev = 0
  let f2_tb = 0
  let u2_tb = 0
  let f2_dev = 0
  let u2_dev = 0
  let f3_tb = 0
  let u3_tb = 0
  let f3_dev = 0
  let u3_dev = 0
  let f4_tb = 0
  let u4_tb = 0
  let f4_dev = 0
  let u4_dev = 0
  let f5_tb = 0
  let u5_tb = 0
  let f5_dev = 0
  let u5_dev = 0
  let f6_tb = 0
  let u6_tb = 0
  let f6_dev = 0
```

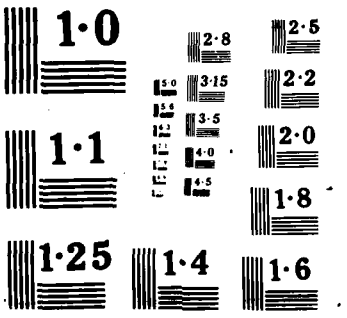
```
  let u6_dev = 0
  let f7_tb = 0
  let u7_tb = 0
  let f7_dev = 0
  let u7_dev = 0

before group of wkpkg_no
  if wkpkg_subcat="6.1" or wkpkg_subcat="6.2" or wkpkg_subcat="6.3A" then begin
    let f0_tb = f0_tb + wkpfr_f0
    let f1_tb = f1_tb + wkpfr_f1
    let f2_tb = f2_tb + wkpfr_f2
    let f3_tb = f3_tb + wkpfr_f3
    let f4_tb = f4_tb + wkpfr_f4
    let f5_tb = f5_tb + wkpfr_f5
    let f6_tb = f6_tb + wkpfr_f6
    let f7_tb = f7_tb + wkpfr_f7
    let u0_tb = u0_tb + wkpfr_u0
    let u1_tb = u1_tb + wkpfr_u1
    let u2_tb = u2_tb + wkpfr_u2
    let u3_tb = u3_tb + wkpfr_u3
    let u4_tb = u4_tb + wkpfr_u4
    let u5_tb = u5_tb + wkpfr_u5
    let u6_tb = u6_tb + wkpfr_u6
    let u7_tb = u7_tb + wkpfr_u7
  end
  else begin
    let f0_dev = f0_dev + wkpfr_f0
    let f1_dev = f1_dev + wkpfr_f1
    let f2_dev = f2_dev + wkpfr_f2
    let f3_dev = f3_dev + wkpfr_f3
    let f4_dev = f4_dev + wkpfr_f4
    let f5_dev = f5_dev + wkpfr_f5
    let f6_dev = f6_dev + wkpfr_f6
    let f7_dev = f7_dev + wkpfr_f7
    let u0_dev = u0_dev + wkpfr_u0
    let u1_dev = u1_dev + wkpfr_u1
    let u2_dev = u2_dev + wkpfr_u2
    let u3_dev = u3_dev + wkpfr_u3
    let u4_dev = u4_dev + wkpfr_u4
    let u5_dev = u5_dev + wkpfr_u5
    let u6_dev = u6_dev + wkpfr_u6
    let u7_dev = u7_dev + wkpfr_u7
  end

after group of ssn_com_line
  let v="|"
  print "0",v,ssn_com_line,v," ",v;
  print f0_tb,v,f1_tb,v,f2_tb,v,f3_tb,v,f4_tb,v,f5_tb,v,f6_tb,v,f7_tb,v;
  print u0_tb,v,u1_tb,v,u2_tb,v,u3_tb,v,u4_tb,v,u5_tb,v,u6_tb,v,u7_tb,v;
  print f0_dev,v,f1_dev,v,f2_dev,v,f3_dev,v,f4_dev,v,f5_dev,v,f6_dev,v,f7_dev,v;
  print u0_dev,v,u1_dev,v,u2_dev,v,u3_dev,v,u4_dev,v,u5_dev,v,u6_dev,v,u7_dev,v

end
```

```
Jul 25 12:37 1986  compro2 Page 1

{ Commodity Profile Report Generator }

{last modified 2/7/86. added page letter and mission area parameters, and
  date-time stamp on output and changes to ssndesc.
 modified 5/28/86. changed to mamp database.
 7/21/86. changed fy85 to fy01. added commodity parameter.
 7/26/86. changed to generic rdte funding rollup file (from compro1). }

database mamp end

define
  param[1]    pletter       type character length 1
  param[2]    code          type integer
  param[3]    name          type character length 12
  param[4]    com           type character length 10
  variable    pno           type integer
  variable    counter       type integer
  variable    tf            type float
  variable    i             type integer
  variable    x             type long
  variable    xdiv          type long
  variable    form1         type character length 10
  variable    form2         type character length 10
  variable    ufx           type character length 3
  variable    ufd           type character length 3
  variable    ufp           type character length 3
  variable    fx            type character length 3
  variable    fd            type character length 3
  variable    fp            type character length 3

  variable    f1_proc       type long
  variable    f2_proc       type long
  variable    f3_proc       type long
  variable    f4_proc       type long
  variable    f5_proc       type long
  variable    f6_proc       type long
  variable    f7_proc       type long
  variable    f8_proc       type long
  variable    f9_proc       type long
  variable    f10_proc      type long
  variable    f11_proc      type long
  variable    f12_proc      type long
  variable    f13_proc      type long
  variable    f14_proc      type long
  variable    f15_proc      type long
  variable    f16_proc      type long

  variable    u1_proc       type long
  variable    u2_proc       type long
  variable    u3_proc       type long
  variable    u4_proc       type long
  variable    u5_proc       type long
  variable    u6_proc       type long
  variable    u7_proc       type long
  variable    u8_proc       type long
  variable    u9_proc       type long
```

AD-A172 652 CSS/EMW/SOF (COMBAT SERVICE SUPPORT/ENGINEERING AND MINE WARFARE/SPECIAL..(U) MCLEAN RESEARCH CENTER INC VA G N ROMSTEDT SEP 86 DAAK70-84-D-0052 3/4

UNCLASSIFIED F/G 9/2 ML




1·0
2·8
2·5
3·15
2·2
3·5
2·0
4·0
4·5
1·8
1·1
1·25
1·4
1·6

```
  variable    u10_proc      type long
  variable    u11_proc      type long
  variable    u12_proc      type long
  variable    u13_proc      type long
  variable    u14_proc      type long
  variable    u15_proc      type long
  variable    u16_proc      type long

end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "compro2.out"
end

r ad into c
  scl_ssn
  where scl_code = code and scl_name = name
end

read into d
  c
  ssn_com_line
  where ssn_com_line matches com
  joining c.scl_ssn = ssn_ssn
end

read into a
  d
  fundpro
  joining d.ssn_com_line = optional fp_commodity
end

read into b
  a
  lrrdp_procf1 lrrdp_procf2 lrrdp_procf3 lrrdp_procf4 lrrdp_procf5 lrrdp_procf6
  lrrdp_procf7 lrrdp_procf8 lrrdp_procf9 lrrdp_procf10 lrrdp_procf11
  lrrdp_procf12 lrrdp_procf13 lrrdp_procf14 lrrdp_procf15 lrrdp_procf16
  lrrdppri_pri
  joining a.scl_ssn = optional lrrdp_ssn
      and lrrdp_pdip = optional lrrdppri_pdip
end

sort by ssn_com_line scl_ssn end

format

page header
  print column 47,"****** U N C L A S S I F I E D ******"
  skip 2 lines
```

```
page trailer
  skip 1 line
  print column 47,"****** U N C L A S S I F I E D ******"
  print column 100,date,2 spaces,time
  if pletter = "Z" then print column 62,pno
  else print column 62,pletter,"-",pno using "###"
  let pno = pno+1

before group of ssn_com_line
  skip to top of page
  print 40 spaces,ssn_com_line clipped,
      " COMMODITY LINE FISCAL SUMMARY FOR ",name
  skip 1 line

  let f1_proc = 0
  let f2_proc = 0
  let f3_proc = 0
  let f4_proc = 0
  let f5_proc = 0
  let f6_proc = 0
  let f7_proc = 0
  let f8_proc = 0
  let f9_proc = 0
  let f10_proc = 0
  let f11_proc = 0
  let f12_proc = 0
  let f13_proc = 0
  let f14_proc = 0
  let f15_proc = 0
  let f16_proc = 0

  let u1_proc = 0
  let u2_proc = 0
  let u3_proc = 0
  let u4_proc = 0
  let u5_proc = 0
  let u6_proc = 0
  let u7_proc = 0
  let u8_proc = 0
  let u9_proc = 0
  let u10_proc = 0
  let u11_proc = 0
  let u12_proc = 0
  let u13_proc = 0
  let u14_proc = 0
  let u15_proc = 0
  let u16_proc = 0

after group of scl_ssn
  if lrrdppri_pri < 1.0 or lrrdppri_pri > 800.0 then begin
    let u1_proc = u1_proc+lrrdp_procf1
    let u2_proc = u2_proc+lrrdp_procf2
    let u3_proc = u3_proc+lrrdp_procf3
    let u4_proc = u4_proc+lrrdp_procf4
    let u5_proc = u5_proc+lrrdp_procf5
    let u6_proc = u6_proc+lrrdp_procf6
```

```
      let u7_proc = u7_proc+lrrdp_procf7
      let u8_proc = u8_proc+lrrdp_procf8
      let u9_proc = u9_proc+lrrdp_procf9
      let u10_proc = u10_proc+lrrdp_procf10
      let u11_proc = u11_proc+lrrdp_procf11
      let u12_proc = u12_proc+lrrdp_procf12
      let u13_proc = u13_proc+lrrdp_procf13
      let u14_proc = u14_proc+lrrdp_procf14
      let u15_proc = u15_proc+lrrdp_procf15
      let u16_proc = u16_proc+lrrdp_procf16
    end
    else begin
      let f1_proc = f1_proc+lrrdp_procf1
      let f2_proc = f2_proc+lrrdp_procf2
      let f3_proc = f3_proc+lrrdp_procf3
      let f4_proc = f4_proc+lrrdp_procf4
      let f5_proc = f5_proc+lrrdp_procf5
      let f6_proc = f6_proc+lrrdp_procf6
      let f7_proc = f7_proc+lrrdp_procf7
      let f8_proc = f8_proc+lrrdp_procf8
      let f9_proc = f9_proc+lrrdp_procf9
      let f10_proc = f10_proc+lrrdp_procf10
      let f11_proc = f11_proc+lrrdp_procf11
      let f12_proc = f12_proc+lrrdp_procf12
      let f13_proc = f13_proc+lrrdp_procf13
      let f14_proc = f14_proc+lrrdp_procf14
      let f15_proc = f15_proc+lrrdp_procf15
      let f16_proc = f16_proc+lrrdp_procf16
    end

  after group of ssn_com_line
    let form1 = "######### "
    let form2 = "(((((((((#)"
    let ufx = "X--"
    let ufd = "D--"
    let ufp = "P--"
    let fx = "XXX"
    let fd = "DDD"
    let fp = "PPP"
    let tf = 0

    if f0_tb+u0_tb > tf then let tf = f0_tb+u0_tb
    if f1_tb+u1_tb > tf then let tf = f1_tb+u1_tb
    if f2_tb+u2_tb > tf then let tf = f2_tb+u2_tb
    if f3_tb+u3_tb > tf then let tf = f3_tb+u3_tb
    if f4_tb+u4_tb > tf then let tf = f4_tb+u4_tb
    if f5_tb+u5_tb > tf then let tf = f5_tb+u5_tb
    if f6_tb+u6_tb > tf then let tf = f6_tb+u6_tb
    if f7_tb+u7_tb > tf then let tf = f7_tb+u7_tb

    if f0_dev+u0_dev > tf then let tf = f0_dev+u0_dev
    if f1_dev+u1_dev > tf then let tf = f1_dev+u1_dev
    if f2_dev+u2_dev > tf then let tf = f2_dev+u2_dev
    if f3_dev+u3_dev > tf then let tf = f3_dev+u3_dev
    if f4_dev+u4_dev > tf then let tf = f4_dev+u4_dev
    if f5_dev+u5_dev > tf then let tf = f5_dev+u5_dev
```

```
  if f6_dev+u6_dev > tf then let tf = f6_dev+u6_dev
  if f7_dev+u7_dev > tf then let tf = f7_dev+u7_dev

  if (f1_proc+u1_proc)/10 > tf then let tf = (f1_proc+u1_proc)/10
  if (f2_proc+u2_proc)/10 > tf then let tf = (f2_proc+u2_proc)/10
  if (f3_proc+u3_proc)/10 > tf then let tf = (f3_proc+u3_proc)/10
  if (f4_proc+u4_proc)/10 > tf then let tf = (f4_proc+u4_proc)/10
  if (f5_proc+u5_proc)/10 > tf then let tf = (f5_proc+u5_proc)/10
  if (f6_proc+u6_proc)/10 > tf then let tf = (f6_proc+u6_proc)/10
  if (f7_proc+u7_proc)/10 > tf then let tf = (f7_proc+u7_proc)/10
  if (f8_proc+u8_proc)/10 > tf then let tf = (f8_proc+u8_proc)/10
  if (f9_proc+u9_proc)/10 > tf then let tf = (f9_proc+u9_proc)/10
  if (f10_proc+u10_proc)/10 > tf then let tf = (f10_proc+u10_proc)/10
  if (f11_proc+u11_proc)/10 > tf then let tf = (f11_proc+u11_proc)/10
  if (f12_proc+u12_proc)/10 > tf then let tf = (f12_proc+u12_proc)/10
  if (f13_proc+u13_proc)/10 > tf then let tf = (f13_proc+u13_proc)/10
  if (f14_proc+u14_proc)/10 > tf then let tf = (f14_proc+u14_proc)/10
  if (f15_proc+u15_proc)/10 > tf then let tf = (f15_proc+u15_proc)/10
  if (f16_proc+u16_proc)/10 > tf then let tf = (f16_proc+u16_proc)/10

  let tf = tf*0.8
  skip 3 lines
  let x = 15000
  if tf>x then let x = 30000
  if tf>x then let x = 75000
  if tf>x then let x = 150000
  if tf>x then let x = 300000
  if tf>x then let x = 750000
  if tf>x then let x = 1500000
  let xdiv = x/30
  for i = 1 to 30 do begin
    if i=1 or i=11 or i=21 then print 4 spaces, x/1000 using "######";
    if i=15 then print "RDTE ($ 1M)";
    if i=17 then print "PROC ($10M)";
    print column 13,"|";
    if f0_tb + u0_tb >= x then begin
      if f0_tb >= x then print fx; else print ufx; end
      else print "   ";
    if f0_dev + u0_dev >= x then begin
      if f0_dev >= x then print fd; else print ufd; end
      else print "   ";
    if f1_proc+u1_proc >= x*10 then begin
      if f1_proc >= x*10 then print fp; else print ufp; end
      else print "   ";
    print 1 space;
    if f1_tb + u1_tb >= x then begin
      if f1_tb >= x then print fx; else print ufx; end
      else print "   ";
    if f1_dev + u1_dev >= x then begin
      if f1_dev >= x then print fd; else print ufd; end
      else print "   ";
    if f2_proc+u2_proc >= x*10 then begin
      if f2_proc >= x*10 then print fp; else print ufp; end
      else print "   ";
    print 1 space;
    if f2_tb + u2_tb >= x then begin
```

```
      if f2_tb >= x then print fx; else print ufx; end
      else print "   ";
    if f2_dev + u2_dev >= x then begin
      if f2_dev >= x then print fd; else print ufd; end
      else print "   ";
    if f3_proc+u3_proc >= x*10 then begin
      if f3_proc >= x*10 then print fp; else print ufp; end
      else print "   ";
    print 1 space;
    if f3_tb + u3_tb >= x then begin
      if f3_tb >= x then print fx; else print ufx; end
      else print "   ";
    if f3_dev + u3_dev >= x then begin
      if f3_dev >= x then print fd; else print ufd; end
      else print "   ";
    if f4_proc+u4_proc >= x*10 then begin
      if f4_proc >= x*10 then print fp; else print ufp; end
      else print "   ";
    print 1 space;
    if f4_tb + u4_tb >= x then begin
      if f4_tb >= x then print fx; else print ufx; end
      else print "   ";
    if f4_dev + u4_dev >= x then begin
      if f4_dev >= x then print fd; else print ufd; end
      else print "   ";
    if f5_proc+u5_proc >= x*10 then begin
      if f5_proc >= x*10 then print fp; else print ufp; end
      else print "   ";
    print 1 space;
    if f5_tb + u5_tb >= x then begin
      if f5_tb >= x then print fx; else print ufx; end
      else print "   ";
    if f5_dev + u5_dev >= x then begin
      if f5_dev >= x then print fd; else print ufd; end
      else print "   ";
    if f6_proc+u6_proc >= x*10 then begin
      if f6_proc >= x*10 then print fp; else print ufp; end
      else print "   ";
    print 1 space;
    if f6_tb + u6_tb >= x then begin
      if f6_tb >= x then print fx; else print ufx; end
      else print "   ";
    if f6_dev + u6_dev >= x then begin
      if f6_dev >= x then print fd; else print ufd; end
      else print "   ";
    if f7_proc+u7_proc >= x*10 then begin
      if f7_proc >= x*10 then print fp; else print ufp; end
      else print "   ";
    print 1 space;
    if f7_tb + u7_tb >= x then begin
      if f7_tb >= x then print fx; else print ufx; end
      else print "   ";
    if f7_dev + u7_dev >= x then begin
      if f7_dev >= x then print fd; else print ufd; end
      else print "   ";
    if f8_proc+u8_proc >= x*10 then begin
```

```
      if f8_proc >= x*10 then print fp; else print ufp; end
      else print "   ";
    print 2 spaces;
    if f9_proc+u9_proc >= x*10 then begin
      if f9_proc >= x*10 then print fp; else print ufp; end
      else print "   ";
    print 2 spaces;
    if f10_proc+u10_proc >= x*10 then begin
      if f10_proc >= x*10 then print fp; else print ufp; end
      else print "   ";
    print 2 spaces;
    if f11_proc+u11_proc >= x*10 then begin
      if f11_proc >= x*10 then print fp; else print ufp; end
      else print "   ";
    print 2 spaces;
    if f12_proc+u12_proc >= x*10 then begin
      if f12_proc >= x*10 then print fp; else print ufp; end
      else print "   ";
    print 2 spaces;
    if f13_proc+u13_proc >= x*10 then begin
      if f13_proc >= x*10 then print fp; else print ufp; end
      else print "   ";
    print 2 spaces;
    if f14_proc+u14_proc >= x*10 then begin
      if f14_proc >= x*10 then print fp; else print ufp; end
      else print "   ";
    print 2 spaces;
    if f15_proc+u15_proc >= x*10 then begin
      if f15_proc >= x*10 then print fp; else print ufp; end
      else print "   ";
    print 2 spaces;
    if f16_proc+u16_proc >= x*10 then begin
      if f16_proc >= x*10 then print fp; else print ufp; end
      else print "   ";
    print ""
    let x = x-xdiv
  end
  print 13 spaces;
  for i = 14 to 132 do print "-";
  print ""
  print 16 spaces,"1986",6 spaces,"1987",6 spaces,"1988",6 spaces,
     "1989",6 spaces,"1990",6 spaces,"1991",6 spaces,"1992",6 spaces,"1993",
     "   : 94   95   96   97   98   99   00   01"
  print column 94,"|"
  print "Tech Base    ",f0_tb using form1,f1_tb using form1,
        f2_tb using form1,f3_tb using form1,f4_tb using form1,
        f5_tb using form1,f6_tb using form1,f7_tb using form1,column 94,"|"
  print "  (",fx,"/",ufx,") ",-u0_tb using form2,-u1_tb using form2,
        -u2_tb using form2,-u3_tb using form2,-u4_tb using form2,
        -u5_tb using form2,-u6_tb using form2,-u7_tb using form2,column 94,"|"
  print column 94,"|"
  print "Development ",f0_dev using form1,f1_dev using form1,
        f2_dev using form1,f3_dev using form1,f4_dev using form1,
        f5_dev using form1,f6_dev using form1,f7_dev using form1,column 94,"|"
  print "  (",fd,"/",ufd,") ",-u0_dev using form2,-u1_dev using form2,
       -u2_dev using form2,-u3_dev using form2,-u4_dev using form2,
```

```
        -u5_dev using form2,-u6_dev using form2,-u7_dev using form2,column 94,"!"
    print column 94,"!"
    print "Procurement ",f1_proc using form1,f2_proc using form1,
          f3_proc using form1,f4_proc using form1,f5_proc using form1,
          f6_proc using form1,f7_proc using form1,f8_proc using form1,
          column 94,"!      See Out Year Procurement"
    print "   (",fp,"/",ufp,") ",-u1_proc using form2,-u2_proc using form2,
          -u3_proc using form2,-u4_proc using form2,-u5_proc using form2,
          -u6_proc using form2,-u7_proc using form2,-u8_proc using form2,
          column 94,"!"
    print 54 spaces;
    for i=55 to 132 do print "-";
    print ""
    print 56 spaces,"1994",6 spaces,"1995",6 spaces,"1996",6 spaces,"1997",
          6 spaces,"1998",6 spaces,"1999",6 spaces,"2000",6 spaces,"2001"
    skip 1 line
    print 29 spaces,"Procurement (Out Years)",f9_proc using form1,
          f10_proc using form1,f11_proc using form1,f12_proc using form1,
          f13_proc using form1,f14_proc using form1,f15_proc using form1,
          f16_proc using form1
    print 52 spaces,-u9_proc using form2,-u10_proc using form2,
          -u11_proc using form2,-u12_proc using form2,-u13_proc using form2,
          -u14_proc using form2,-u15_proc using form2,-u16_proc using form2

end
```

```
< 6/25/86. COMMODITY/SYSTEM/PDIP report.
   made for Bob Brown of the Engineer School to show all the funding data in
   the data base for each system in the control file. >

database mamp end

define
  variable cont     type integer
  variable cnt      type integer
  variable pno      type integer
  param[1] pletter  type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "comsyspdip.out"
end

read into b
  scl_ssn
  where scl_name = name and scl_code = code
end

read into c
  b
  ssn_amc_mgr ssn_acq_code ssn_com_line ssn_tradoc_ma ssn_da_ma
  acq_type
  joining b.scl_ssn = optional ssn_ssn
      and ssn_acq_code = optional acq_code
end

read into a
  c
  lrrdp_title lrrdp_pdip
  lrrdp_procf1 lrrdp_procf2  lrrdp_procf3  lrrdp_procf4 lrrdp_procf5
  lrrdp_procf6 lrrdp_procf7  lrrdp_procf8  lrrdp_procf9  lrrdp_procf10
  lrrdp_procf11 lrrdp_procf12  lrrdp_procf13  lrrdp_procf14  lrrdp_procf15
  lrrdp_procf16
  joining c.scl_ssn = optional lrrdp_ssn
end

sort by ssn_com_line ssn_acq_code scl_ssn lrrdp_pdip end

format

page header
  print column 47,"*****  U N C L A S S I F I E D  *****"
  skip 2 lines
  print column 44;
```

```
  if ssn_com_line <> " " then print ssn_com_line clipped;
                                 else print "__________";
  print " COMMODITY/SYSTEM/PDIP SUMMARY FOR ",name clipped;
  if cont = 1 then print " (continued)" else print ""
  let cont = 0
  skip 2 lines

page trailer
  skip 2 lines
  print column 47,"*****  U N C L A S S I F I E D  *****"
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of ssn_com_line
  skip to top of page

after group of ssn_com_line
  let cont = 0

before group of scl_ssn
  let cont = 1
  let cnt = 0
  skip 1 line
  print scl_ssn,2 spaces,lrrdp_title,1 space,
        ssn_da_ma," / ",ssn_tradoc_ma,3 spaces,ssn_amc_mgr
  print 8 spaces," PDIP ",5 spaces,
        "   fy87   fy88   fy89   fy90   fy91   fy92   fy93   fy94",
        "   fy95   fy96   fy97   fy98   fy99   fy00   fy01"

before group of lrrdp_pdip
  let cnt = cnt+1
  if lrrdp_pdip <> " " then print 8 spaces,lrrdp_pdip,5 spaces;
  else print 8 spaces,"N/A    ",5 spaces;
  print lrrdp_procf2 using " ######", lrrdp_procf3 using " ######",
        lrrdp_procf4 using " ######", lrrdp_procf5 using " ######",
        lrrdp_procf6 using " ######", lrrdp_procf7 using " ######",
        lrrdp_procf8 using " ######", lrrdp_procf9 using " ######",
        lrrdp_procf10 using " ######", lrrdp_procf11 using " ######",
        lrrdp_procf12 using " ######", lrrdp_procf13 using " ######",
        lrrdp_procf14 using " ######", lrrdp_procf15 using " ######",
        lrrdp_procf16 using " ######"

after group of scl_ssn
  if cnt > 1 then print 8 spaces,"Total:",5 spaces,
        group total of lrrdp_procf2 using " ######",
        group total of lrrdp_procf3 using " ######",
        group total of lrrdp_procf4 using " ######",
        group total of lrrdp_procf5 using " ######",
        group total of lrrdp_procf6 using " ######",
        group total of lrrdp_procf7 using " ######",
        group total of lrrdp_procf8 using " ######",
        group total of lrrdp_procf9 using " ######",
        group total of lrrdp_procf10 using " ######",
        group total of lrrdp_procf11 using " ######",
```

```
        group total of lrrdp_procf12 using " ######",
        group total of lrrdp_procf13 using " ######",
        group total of lrrdp_procf14 using " ######",
        group total of lrrdp_procf15 using " ######",
        group total of lrrdp_procf16 using " ######"

before group of ssn_acq_code
  skip 1 line
  print 39 spaces,"*****  ",acq_type clipped,"  *****"

after group of ssn_acq_code
  skip 1 line

end
```

```
Jul 25 11.35 1986  decsysbdp Page 1


{ DECISION AID FOR SYSTEMS BASED ON BDP PRIORITIES.
  THIS REPORT SHOWS THE UNFUNDED WORKPACKAGES THAT HAVE A RATING OF
  1,2, OR 3 AGAINST EACH SYSTEM.

  4/25/86 changed to mamp data base.
  5/12/86 added base case systems and put them at the top of the list.
  7/26/86 changed wkpsys_wc to wkpsys_srf in keeping with iitri's usage.
          changed base year to 1986.}

database mamp end

define
  variable pno      type integer
  variable pgend    type integer
  variable cnt      type integer
  variable totuf    type long
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "decsysbdp.out"
end

read into b
  scl_ssn
  where scl_code = code and scl_name = name
end

read into c
  b
  ssn_amc_mgr ssn_da_ma ssn_tradoc_ma
  bc = 0
  where ssn_acq_code > 2 or ssn_acq_code = 0
  joining b scl_ssn = optional ssn_ssn
end

read into d
  b
  ssn_amc_mgr ssn_da_ma ssn_tradoc_ma
  bc = 1
  where ssn_acq_code = 1
  joining b scl_ssn = optional ssn_ssn
end

assign e = c union d end

read into a
  e
```

```
  hipri_title
  prior1_score prior1_ndef
  joining e scl_ssn = optional hipri_ssn
      and e.scl_ssn = optional prior1_ssn_no
end

read into c
  b
  wkpsys_srf wkpkg_wkpsys_idx wkpkg_title
  wkpf_yr wkpf_unfund
  where wkpf_unfund > 0 and wkpsys_srf > 0 and wkpsys_srf < 4
  joining b.scl_ssn = wkpsys_ssn
      and wkpsys_wkpkg_idx = wkpkg_wkpsys_idx
      and wkpkg_no_idx = wkpf_wkpkg_idx
end

read into d
  a
  c.wkpsys_srf c.wkpkg_wkpsys_idx c.wkpkg_title c.wkpf_yr c.wkpf_unfund
  joining a.scl_ssn = optional c.scl_ssn
end

sort by bc descending prior1_score descending prior1_ndef descending
        scl_ssn wkpsys_srf wkpkg_no wkpf_yr end

format

page header
  print column 47,"******  U N C L A S S I F I E D  ******"
  skip 2 lines
  print column 44,name clipped," 1 TO N DEVELOPMENT SYSTEMS BDP RANKINGS"
  print column 44,"WITH SIGNIFICANT UNFUNDED WORKPACKAGES SHOWN"
  skip 3 lines
  print column 86,"UNFUNDED DEVELOPMENT SCHEDULE"
  print "  ----------------- ------------------------------------------",
        "- ------------ --- - ---------- ---------------------------------- "
  print "!        SSN",5 spaces,"TITLE / UNFUNDED WORKPACKAGES",
        column 57,"DA/TDC MA",column 67,
        "!  FY86    FY87    FY88    FY89    FY90    FY91    FY92    FY93  !"
  print "!----------------- ------- ------- ---------- ---- ---------- ---",
        "! ------- ------- ---------- - --------- ---------- ----------!"
  print "!",column 67,"!",column 132, "!"
  let pgend = 0

page trailer
  if pgend = 0 then begin
    print "!",column 67,"!",column 132, "!"
    print " - ------------ ---- --- ---- ------ ---------- ---------- ",
          "----- --- ---- ------ ----- ---------- ---------- "
  end
  else skip 2 lines
  skip 2 lines
  print column 47,"******  U N C L A S S I F I E D  ******"
  print column 100,date,2 spaces,time
  if pletter = "Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
```

```
  let pno = pno+1

on last record
  let pgend = 1
  print "|",column 67,"|",column 132,"|"
  print " ------------ ----- ------------------ -------- ------------------",
        "------ -----  ------- ------------------------------------------- "

before group of scl_ssn
  let cnt = cnt+1
  print "| ",cnt using "###. ",scl_ssn,2 spaces,hipri_title[1,40],
         1 space,ssn_da_ma," / ",ssn_tradoc_ma,
        column 67,"|",column 132,"|"

before group of wkpkg_no
  if wkpf_yr>1985 then begin
    print "| ",8 spaces,wkpkg_cmd clipped,1 space,wkpkg_pe,1 space,
          wkpkg_proj,1 space,wkpkg_task clipped,1 space,wkpkg_no clipped,
          column 48,"crit: ",wkpsys_srf using "#",column 67,"|";
  end

before group of wkpf_yr
  if wkpf_yr>1985 then begin
    if wkpf_unfund>0 then print column (8*(wkpf_yr-1986)+68),
      -wkpf_unfund using "((((((#)";
  end

after group of wkpkg_no
  if wkpf_yr>1985 then begin
    print column 132,"|"
    print "| ",11 spaces,wkpkg_title[1,52],column 67,"|",column 132,"|"
  end

end
```

```
{ DECISION AID FOR WORKPACKAGES BASED ON BDP PRIORITIES.
  THIS REPORT SHOWS THE UNFUNDED WORKPACKAGES.

  4/25/86 changed to mamp data base.
  5/12/86 limited to 6.3, 6.4, and 6.7 workpackages.
  7/25/86 changed to 1986 as base year. }

database mamp end

define
  variable pno      type integer
  variable pgend    type integer
  variable cnt      type integer
  variable totuf    type long
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "decwpbdp.out"
end

read into b
  pcl_idx
  where pcl_code = code and pcl_name = name
    and (pcl_subcat = "6.3A" or pcl_subcat = "6.3B" or pcl_subcat = "6.4"
         or pcl_subcat = "6.7")
end

read into c
  prior2_score prior2_nsys
  wkpkg_no_idx wkpkg_pe wkpkg_proj wkpkg_task wkpkg_title
  joining b.pcl_idx = wkpkg_proj_idx
      and wkpkg_no_idx = optional prior2_wkpkg_idx
end

read into d
  wkpf_wkpkg_idx wkpf_yr wkpf_unfund
  where wkpf_unfund > 0
  joining c.wkpkg_no_idx = wkpf_wkpkg_idx
end

read into a
  c
  d.wkpf_yr d.wkpf_unfund
  joining c.wkpkg_no_idx = optional d.wkpf_wkpkg_idx
end

sort by prior2_score descending prior2_nsys descending
```

```
        wkpkg_pe wkpkg_proj wkpkg_task wkpkg_no wkpf_yr end

format

page header
  print column 47,"******  U N C L A S S I F I E D  ******"
  skip 2 lines
  print column 48,name clipped," 1 TO N WORKPACKAGE BDP RANKINGS"
  print column 54,"WITH UNFUNDED AMOUNTS SHOWN"
  skip 3 lines
  print column 86,"UNFUNDED DEVELOPMENT SCHEDULE"
  print " ------------------------------------------------------------------",
        "------------------------------------------------------------------ "
  print "|        PE/PROJ/TASK/WKPKG",5 spaces,"TITLE",column 67,
        "|  FY86    FY87    FY88    FY89    FY90    FY91    FY92    FY93  |"
  print "|------------------------------------------------------------------",
        "| ------------------------------------------------------------------|"
  print "|",column 67,"|",column 132, "|"
  let pgend = 0

page trailer
  if pgend = 0 then begin
    print "|",column 67,"|",column 132, "|"
    print " ------------------------------------------------------------------",
          "------------------------------------------------------------------ "
  end
  else skip 2 lines
  skip 2 lines
  print column 47,"******  U N C L A S S I F I E D  ******"
  print column 100,date,2 spaces,time
  if pletter = "Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

on last record
  let pgend = 1
  print "|",column 67,"|",column 132,"|"
  print " ------------------------------------------------------------------",
        "------------------------------------------------------------------ "

before group of wkpkg_no
  let cnt = cnt+1
  print "| ",cnt using "###. ",wkpkg_title[1,55],column 67,"|";

before group of wkpf_yr
  if wkpf_yr>1985 then begin
    if wkpf_unfund>0 then print column (8*(wkpf_yr-1986)+68),
     -wkpf_unfund using "((((((#)";
  end

after group of wkpkg_no
  print column 132,"|"
  print "| ",5 spaces,wkpkg_cmd,1 space,
       wkpkg_pe,1 space,wkpkg_proj,1 space,wkpkg_task clipped,1 space,
       wkpkg_no,column 67,"|",column 132,"|"
```

```
end
```

```
{ Deficiency index for the rollup report only }

database mamp end

{ last modified 2/7/86 to add mission area to control file.
  3/6/86 to add page letter and page number
  5/12/86 changed to the mamp data base.
  6/13/86 changed to always print out primary (since type is screwed up).
  7/24/86 merged with defindex1 by adding profile column parameter. }

define
  param[1] pletter type character length 1
  param[2] code    type integer
  param[3] name    type character length 12
  param[4] pro     type character length 1
  variable pno     type integer
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "defindex.out"
end

read into a
  defctl
  where dcl_code = code and dcl_name = name
end

sort by dcl_def end

format

before group of dcl_def
  if pro = "Y" then print 18 spaces; else print 28 spaces;
  print dcl_def,70 spaces,"----";
  if pro = "Y" then print 12 spaces,"----" else print ""

page header
  print column 47,"******  U N C L A S S I F I E D  ******"
  skip 3 lines
  print column 47,name clipped," DEFICIENCY INDEX IN NUMERICAL ORDER"
  skip 3 lines
  if pro = "Y" then print 18 spaces; else print 28 spaces;
  print "DEFICIENCY",16 spaces,"TITLE",41 spaces,"SUMMARY PAGE";
  if pro = "Y" then print 4 spaces,"FUNDING PROFILE" else print ""
  skip 2 lines

page trailer
  skip 2 lines
  print column 47,"******  U N C L A S S I F I E D  ******"
  print column 100,date,2 spaces,time
```

```
  if pletter="Z" then print 60 spaces,pno
  else print 60 spaces,pletter,"-",pno using "###"
  let pno = pno+1

end
```

```
{ Deficiency Profile Report Generator part 1 }

{ last changed 2/7/86. added mission area parameter.
  modified 5/28/86. changed to mamp database.
  7/24/86. changed to generic years.
  7/25/86. changed to generic funding rollup file. }

database mamp end

define
  param[1]    code          type integer
  param[2]    name          type character length 12
  variable    v             type character length 1
  variable    f0_tb         type long
  variable    u0_tb         type long
  variable    f0_dev        type long
  variable    u0_dev        type long
  variable    f1_tb         type long
  variable    u1_tb         type long
  variable    f1_dev        type long
  variable    u1_dev        type long
  variable    f2_tb         type long
  variable    u2_tb         type long
  variable    f2_dev        type long
  variable    u2_dev        type long
  variable    f3_tb         type long
  variable    u3_tb         type long
  variable    f3_dev        type long
  variable    u3_dev        type long
  variable    f4_tb         type long
  variable    u4_tb         type long
  variable    f4_dev        type long
  variable    u4_dev        type long
  variable    f5_tb         type long
  variable    u5_tb         type long
  variable    f5_dev        type long
  variable    u5_dev        type long
  variable    f6_tb         type long
  variable    u6_tb         type long
  variable    f6_dev        type long
  variable    u6_dev        type long
  variable    f7_tb         type long
  variable    u7_tb         type long
  variable    f7_dev        type long
  variable    u7_dev        type long
end

output
  top margin 0
  bottom margin 0
  left margin 0
  page length 32000
  report to "defpro1.out"
end

read into a
```

```
  defctl
  where dcl_code = code and dcl_name = name
end

read into b
  a
  ssndef_ssn
  joining a.dcl_def = ssndef_def
end

read into c
  b
  wkpkg_cmd wkpkg_cat wkpkg_subcat wkpkg_no
  wkpfr_f0 wkpfr_f1 wkpfr_f2 wkpfr_f3 wkpfr_f4 wkpfr_f5 wkpfr_f6 wkpfr_f7
  wkpfr_u0 wkpfr_u1 wkpfr_u2 wkpfr_u3 wkpfr_u4 wkpfr_u5 wkpfr_u6 wkpfr_u7
  joining b.ssndef_ssn = wkpsys_ssn
      and wkpsys_wkpkg_idx = wkpkg_wkpsys_idx
      and wkpkg_no_idx = wkpfr_wkpkg_idx
end

sort by dcl_def wkpkg_cmd wkpkg_cat wkpkg_no end

format

before group of dcl_def
  let f0_tb = 0
  let u0_tb = 0
  let f0_dev = 0
  let u0_dev = 0
  let f1_tb = 0
  let u1_tb = 0
  let f1_dev = 0
  let u1_dev = 0
  let f2_tb = 0
  let u2_tb = 0
  let f2_dev = 0
  let u2_dev = 0
  let f3_tb = 0
  let u3_tb = 0
  let f3_dev = 0
  let u3_dev = 0
  let f4_tb = 0
  let u4_tb = 0
  let f4_dev = 0
  let u4_dev = 0
  let f5_tb = 0
  let u5_tb = 0
  let f5_dev = 0
  let u5_dev = 0
  let f6_tb = 0
  let u6_tb = 0
  let f6_dev = 0
  let u6_dev = 0
  let f7_tb = 0
  let u7_tb = 0
  let f7_dev = 0
```

```
  let u7_dev = 0

before group of wkpkg_no
  if wkpkg_subcat="6.1" or wkpkg_subcat="6.2" or wkpkg_subcat="6.3A" then begin
    let f0_tb = f0_tb + wkpfr_f0
    let f1_tb = f1_tb + wkpfr_f1
    let f2_tb = f2_tb + wkpfr_f2
    let f3_tb = f3_tb + wkpfr_f3
    let f4_tb = f4_tb + wkpfr_f4
    let f5_tb = f5_tb + wkpfr_f5
    let f6_tb = f6_tb + wkpfr_f6
    let f7_tb = f7_tb + wkpfr_f7
    let u0_tb = u0_tb + wkpfr_u0
    let u1_tb = u1_tb + wkpfr_u1
    let u2_tb = u2_tb + wkpfr_u2
    let u3_tb = u3_tb + wkpfr_u3
    let u4_tb = u4_tb + wkpfr_u4
    let u5_tb = u5_tb + wkpfr_u5
    let u6_tb = u6_tb + wkpfr_u6
    let u7_tb = u7_tb + wkpfr_u7
  end
  else if wkpkg_subcat="6.3B" or wkpkg_subcat="6.4" or wkpkg_subcat="6.7" then begin
    let f0_dev = f0_dev + wkpfr_f0
    let f1_dev = f1_dev + wkpfr_f1
    let f2_dev = f2_dev + wkpfr_f2
    let f3_dev = f3_dev + wkpfr_f3
    let f4_dev = f4_dev + wkpfr_f4
    let f5_dev = f5_dev + wkpfr_f5
    let f6_dev = f6_dev + wkpfr_f6
    let f7_dev = f7_dev + wkpfr_f7
    let u0_dev = u0_dev + wkpfr_u0
    let u1_dev = u1_dev + wkpfr_u1
    let u2_dev = u2_dev + wkpfr_u2
    let u3_dev = u3_dev + wkpfr_u3
    let u4_dev = u4_dev + wkpfr_u4
    let u5_dev = u5_dev + wkpfr_u5
    let u6_dev = u6_dev + wkpfr_u6
    let u7_dev = u7_dev + wkpfr_u7
  end

after group of dcl_def
  let v="|"
  print dcl_def,v," ",v," ",v;
  print f0_tb,v,f1_tb,v,f2_tb,v,f3_tb,v,f4_tb,v,f5_tb,v,f6_tb,v,f7_tb,v;
  print u0_tb,v,u1_tb,v,u2_tb,v,u3_tb,v,u4_tb,v,u5_tb,v,u6_tb,v,u7_tb,v;
  print f0_dev,v,f1_dev,v,f2_dev,v,f3_dev,v,f4_dev,v,f5_dev,v,f6_dev,v,f7_dev,v;
  print u0_dev,v,u1_dev,v,u2_dev,v,u3_dev,v,u4_dev,v,u5_dev,v,u6_dev,v,u7_dev,v

end
```

```
Jul 25 12 17 1986  defpro2 Page 1


{ Deficiency Profile Report Generator }

{ last modified 2 7 86.  to add page letter parameter, mission area and
       date time stamp.
  5/28/86.  changed to mamp database.
  7/24/86.  changed to generic years.  made unclass.
  7/25/86.  changed to generic rdte rollup file.  }

database mamp end

define
  param[1]     pletter          type character length 1
  param[2]     code             type integer
  param[3]     name             type character length 12
  variable     pno              type integer
  variable     counter          type integer
  variable     tf               type float
  variable     i                type integer
  variable     x                type long
  variable     xdiv             type long
  variable     form1            type character length 10
  variable     form2            type character length 10
  variable     ufx              type character length 3
  variable     ufd              type character length 3
  variable     ufp              type character length 3
  variable     fx               type character length 3
  variable     fd               type character length 3
  variable     fp               type character length 3

  variable     f1_proc         type long
  variable     f2_proc         type long
  variable     f3_proc         type long
  variable     f4_proc         type long
  variable     f5_proc         type long
  variable     f6_proc         type long
  variable     f7_proc         type long
  variable     f8_proc         type long
  variable     f9_proc         type long
  variable     f10_proc         type long
  variable     f11_proc         type long
  variable     f12_proc         type long
  variable     f13_proc         type long
  variable     f14_proc         type long
  variable     f15_proc         type long
  variable     f16_proc         type long
  variable     u1_proc         type long
  variable     u2_proc         type long
  variable     u3_proc         type long
  variable     u4_proc         type long
  variable     u5_proc         type long
  variable     u6_proc         type long
  variable     u7_proc         type long
  variable     u8_proc         type long
  variable     u9_proc         type long
  variable     u10_proc         type long
  variable     u11_proc         type long
```

```
  variable    u12_proc      type long
  variable    u13_proc      type long
  variable    u14_proc      type long
  variable    u15_proc      type long
  variable    u16_proc      type long
end

input
  prompt for pno using "Please enter the starting page number : "
end

output
  left margin 0
  right margin 132
  report to "defpro2.out"
end

read into c
  dcl_def
  where dcl_code = code and dcl_name = name
end

read into a
  c
  fundpro
  joining c.dcl_def = optional fp_defic
end

read into b
  a
  ssn_ssn ssn_tradoc_ma ssn_tradoc_pro ssn_da_ma
  joining a.dcl_def = optional ssndef_def
      and ssndef_ssn = optional ssn_ssn
end

read into c
  b
  lrrdp_pdip
  lrrdp_procf1 lrrdp_procf2 lrrdp_procf3 lrrdp_procf4 lrrdp_procf5 lrrdp_procf6
  lrrdp_procf7 lrrdp_procf8 lrrdp_procf9 lrrdp_procf10 lrrdp_procf11
  lrrdp_procf12 lrrdp_procf13 lrrdp_procf14 lrrdp_procf15 lrrdp_procf16
  lrrdppri_pri
  joining b.ssn_ssn = optional lrrdp_ssn
      and lrrdp_pdip = optional lrrdppri_pdip
end

sort by dcl_def ssn_ssn lrrdp_pdip end

format

page header
  print column 47,"******  U N C L A S S I F I E D  ******"
  skip 2 lines

page trailer
  skip 1 line
```

```
  print column 47,"******  U N C L A S S I F I E D  ******"
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of dcl_def
  skip to top of page
  print 40 spaces,"FISCAL SUMMARY - DEFICIENCY ",dcl_def using "<<<<<"
  skip 1 line
  let f1_proc = 0
  let f2_proc = 0
  let f3_proc = 0
  let f4_proc = 0
  let f5_proc = 0
  let f6_proc = 0
  let f7_proc = 0
  let f8_proc = 0
  let f9_proc = 0
  let f10_proc = 0
  let f11_proc = 0
  let f12_proc = 0
  let f13_proc = 0
  let f14_proc = 0
  let f15_proc = 0
  let f16_proc = 0
  let u1_proc = 0
  let u2_proc = 0
  let u3_proc = 0
  let u4_proc = 0
  let u5_proc = 0
  let u6_proc = 0
  let u7_proc = 0
  let u8_proc = 0
  let u9_proc = 0
  let u10_proc = 0
  let u11_proc = 0
  let u12_proc = 0
  let u13_proc = 0
  let u14_proc = 0
  let u15_proc = 0
  let u16_proc = 0

before group of lrrdp_pdip
  if lrrdppri_pri < 1.0 or lrrdppri_pri > 800.0 then begin
    let u1_proc = u1_proc+lrrdp_procf1
    let u2_proc = u2_proc+lrrdp_procf2
    let u3_proc = u3_proc+lrrdp_procf3
    let u4_proc = u4_proc+lrrdp_procf4
    let u5_proc = u5_proc+lrrdp_procf5
    let u6_proc = u6_proc+lrrdp_procf6
    let u7_proc = u7_proc+lrrdp_procf7
    let u8_proc = u8_proc+lrrdp_procf8
    let u9_proc = u9_proc+lrrdp_procf9
    let u10_proc = u10_proc+lrrdp_procf10
    let u11_proc = u11_proc+lrrdp_procf11
```

```
    let u12_proc = u12_proc+lrrdp_procf12
    let u13_proc = u13_proc+lrrdp_procf13
    let u14_proc = u14_proc+lrrdp_procf14
    let u15_proc = u15_proc+lrrdp_procf15
    let u16_proc = u16_proc+lrrdp_procf16
  end
  else begin
    let f1_proc = f1_proc+lrrdp_procf1
    let f2_proc = f2_proc+lrrdp_procf2
    let f3_proc = f3_proc+lrrdp_procf3
    let f4_proc = f4_proc+lrrdp_procf4
    let f5_proc = f5_proc+lrrdp_procf5
    let f6_proc = f6_proc+lrrdp_procf6
    let f7_proc = f7_proc+lrrdp_procf7
    let f8_proc = f8_proc+lrrdp_procf8
    let f9_proc = f9_proc+lrrdp_procf9
    let f10_proc = f10_proc+lrrdp_procf10
    let f11_proc = f11_proc+lrrdp_procf11
    let f12_proc = f12_proc+lrrdp_procf12
    let f13_proc = f13_proc+lrrdp_procf13
    let f14_proc = f14_proc+lrrdp_procf14
    let f15_proc = f15_proc+lrrdp_procf15
    let f16_proc = f16_proc+lrrdp_procf16
  end

after group of dcl_def
  let form1 = "########## "
  let form2 = "(((((((((#)"
  let ufx = "X--"
  let ufd = "D--"
  let ufp = "P--"
  let fx = "XXX"
  let fd = "DDD"
  let fp = "PPP"

  let tf = 0
  if f0_tb+u0_tb > tf then let tf = f0_tb+u0_tb
  if f1_tb+u1_tb > tf then let tf = f1_tb+u1_tb
  if f2_tb+u2_tb > tf then let tf = f2_tb+u2_tb
  if f3_tb+u3_tb > tf then let tf = f3_tb+u3_tb
  if f4_tb+u4_tb > tf then let tf = f4_tb+u4_tb
  if f5_tb+u5_tb > tf then let tf = f5_tb+u5_tb
  if f6_tb+u6_tb > tf then let tf = f6_tb+u6_tb
  if f7_tb+u7_tb > tf then let tf = f7_tb+u7_tb
  if f0_dev+u0_dev > tf then let tf = f0_dev+u0_dev
  if f1_dev+u1_dev > tf then let tf = f1_dev+u1_dev
  if f2_dev+u2_dev > tf then let tf = f2_dev+u2_dev
  if f3_dev+u3_dev > tf then let tf = f3_dev+u3_dev
  if f4_dev+u4_dev > tf then let tf = f4_dev+u4_dev
  if f5_dev+u5_dev > tf then let tf = f5_dev+u5_dev
  if f6_dev+u6_dev > tf then let tf = f6_dev+u6_dev
  if f7_dev+u7_dev > tf then let tf = f7_dev+u7_dev
  if (f1_proc+u1_proc)/10 > tf then let tf = (f1_proc+u1_proc)/10
  if (f2_proc+u2_proc)/10 > tf then let tf = (f2_proc+u2_proc)/10
  if (f3_proc+u3_proc)/10 > tf then let tf = (f3_proc+u3_proc)/10
  if (f4_proc+u4_proc)/10 > tf then let tf = (f4_proc+u4_proc)/10
```

```
  if (f5_proc+u5_proc)/10 > tf then let tf = (f5_proc+u5_proc)/10
  if (f6_proc+u6_proc)/10 > tf then let tf = (f6_proc+u6_proc)/10
  if (f7_proc+u7_proc)/10 > tf then let tf = (f7_proc+u7_proc)/10
  if (f8_proc+u8_proc)/10 > tf then let tf = (f8_proc+u8_proc)/10
  if (f9_proc+u9_proc)/10 > tf then let tf = (f9_proc+u9_proc)/10
  if (f10_proc+u10_proc)/10 > tf then let tf = (f10_proc+u10_proc)/10
  if (f11_proc+u11_proc)/10 > tf then let tf = (f11_proc+u11_proc)/10
  if (f12_proc+u12_proc)/10 > tf then let tf = (f12_proc+u12_proc)/10
  if (f13_proc+u13_proc)/10 > tf then let tf = (f13_proc+u13_proc)/10
  if (f14_proc+u14_proc)/10 > tf then let tf = (f14_proc+u14_proc)/10
  if (f15_proc+u15_proc)/10 > tf then let tf = (f15_proc+u15_proc)/10
  if (f16_proc+u16_proc)/10 > tf then let tf = (f16_proc+u16_proc)/10

  let tf = tf*0.8
  skip 3 lines
  let x = 150000
  if tf>x then let x = 300000
  if tf>x then let x = 750000
  if tf>x then let x = 1500000
  let xdiv = x/30
  for i = 1 to 30 do begin
    if i=1 or i=11 or i=21 then print 4 spaces, x/1000 using "######";
    if i=15 then print "RDTE ($ 1M)";
    if i=17 then print "PROC ($10M)";
    print column 13,"|";

    if f0_tb + u0_tb >= x then begin
      if f0_tb >= x then print fx; else print ufx; end
      else print "    ";
    if f0_dev + u0_dev >= x then begin
      if f0_dev >= x then print fd; else print ufd; end
      else print "    ";
    if f1_proc+u1_proc >= x*10 then begin
      if f1_proc >= x*10 then print fp; else print ufp; end
      else print "    ";
    print 1 space;

    if f1_tb + u1_tb >= x then begin
      if f1_tb >= x then print fx; else print ufx; end
      else print "    ";
    if f1_dev + u1_dev >= x then begin
      if f1_dev >= x then print fd; else print ufd; end
      else print "    ";
    if f2_proc+u2_proc >= x*10 then begin
      if f2_proc >= x*10 then print fp; else print ufp; end
      else print "    ";
    print 1 space;

    if f2_tb + u2_tb >= x then begin
      if f2_tb >= x then print fx; else print ufx; end
      else print "    ";
    if f2_dev + u2_dev >= x then begin
      if f2_dev >= x then print fd; else print ufd; end
      else print "    ";
    if f3_proc+u3_proc >= x*10 then begin
      if f3_proc >= x*10 then print fp; else print ufp; end
```

```
    else print "   ";
  print 1 space;

  if f3_tb + u3_tb >= x then begin
    if f3_tb >= x then print fx; else print ufx; end
    else print "   ";
  if f3_dev + u3_dev >= x then begin
    if f3_dev >= x then print fd; else print ufd; end
    else print "   ";
  if f4_proc+u4_proc >= x*10 then begin
    if f4_proc >= x*10 then print fp; else print ufp; end
    else print "   ";
  print 1 space;

  if f4_tb + u4_tb >= x then begin
    if f4_tb >= x then print fx; else print ufx; end
    else print "   ";
  if f4_dev + u4_dev >= x then begin
    if f4_dev >= x then print fd; else print ufd; end
    else print "   ";
  if f5_proc+u5_proc >= x*10 then begin
    if f5_proc >= x*10 then print fp; else print ufp; end
    else print "   ";
  print 1 space;

  if f5_tb + u5_tb >= x then begin
    if f5_tb >= x then print fx; else print ufx; end
    else print "   ";
  if f5_dev + u5_dev >= x then begin
    if f5_dev >= x then print fd; else print ufd; end
    else print "   ";
  if f6_proc+u6_proc >= x*10 then begin
    if f6_proc >= x*10 then print fp; else print ufp; end
    else print "   ";
  print 1 space;

  if f6_tb + u6_tb >= x then begin
    if f6_tb >= x then print fx; else print ufx; end
    else print "   ";
  if f6_dev + u6_dev >= x then begin
    if f6_dev >= x then print fd; else print ufd; end
    else print "   ";
  if f7_proc+u7_proc >= x*10 then begin
    if f7_proc >= x*10 then print fp; else print ufp; end
    else print "   ";
  print 1 space;

  if f7_tb + u7_tb >= x then begin
    if f7_tb >= x then print fx; else print ufx; end
    else print "   ";
  if f7_dev + u7_dev >= x then begin
    if f7_dev >= x then print fd; else print ufd; end
    else print "   ";
  if f8_proc+u8_proc >= x*10 then begin
    if f8_proc >= x*10 then print fp; else print ufp; end
    else print "   ";
```

```
        print 2 spaces;

        if f9_proc+u9_proc >= x*10 then begin
          if f9_proc >= x*10 then print fp; else print ufp; end
          else print "    ";
        print 2 spaces;
        if f10_proc+u10_proc >= x*10 then begin
          if f10_proc >= x*10 then print fp; else print ufp; end
          else print "    ";
        print 2 spaces;
        if f11_proc+u11_proc >= x*10 then begin
          if f11_proc >= x*10 then print fp; else print ufp; end
          else print "    ";
        print 2 spaces;
        if f12_proc+u12_proc >= x*10 then begin
          if f12_proc >= x*10 then print fp; else print ufp; end
          else print "    ";
        print 2 spaces;
        if f13_proc+u13_proc >= x*10 then begin
          if f13_proc >= x*10 then print fp; else print ufp; end
          else print "    ";
        print 2 spaces;
        if f14_proc+u14_proc >= x*10 then begin
          if f14_proc >= x*10 then print fp; else print ufp; end
          else print "    ";
        print 2 spaces;
        if f15_proc+u15_proc >= x*10 then begin
          if f15_proc >= x*10 then print fp; else print ufp; end
          else print "    ";
        print 2 spaces;
        if f16_proc+u16_proc >= x*10 then begin
          if f16_proc >= x*10 then print fp; else print ufp; end
          else print "    ";
        print ""
        let x = x-xdiv
      end
      print 13 spaces;
      for i = 14 to 132 do print "-";
      print ""
      print 16 spaces,"1986",6 spaces,"1987",6 spaces,"1988",6 spaces,
         "1989",6 spaces,"1990",6 spaces,"1991",6 spaces,"1992",6 spaces,"1993",
         "    ( 94    95    96    97    98    99    00    01"
      print column 94,"|"
      print "Tech Base    ",f0_tb using form1,f1_tb using form1,f2_tb using form1,
            f3_tb using form1,f4_tb using form1,f5_tb using form1,
            f6_tb using form1,f7_tb using form1,column 94,"|"
      print "   (",fx,"/",ufx,") ",-u0_tb using form2,-u1_tb using form2,
            -u2_tb using form2,-u3_tb using form2,-u4_tb using form2,
            -u5_tb using form2,-u6_tb using form2,-u7_tb using form2,column 94,"|"
      print column 94,"|"
      print "Development ",f0_dev using form1,f1_dev using form1,
            f2_dev using form1,f3_dev using form1,f4_dev using form1,
            f5_dev using form1,f6_dev using form1,f7_dev using form1,column 94,"|"
      print "   (",fd,"/",ufd,") ",-u0_dev using form2,-u1_dev using form2,
           -u2_dev using form2,-u3_dev using form2,-u4_dev using form2,
           -u5_dev using form2,-u6_dev using form2,-u7_dev using form2,column 94,"|"
```

```
  print column 94,";"
  print "Procurement ",f1_proc using form1,f2_proc using form1,
        f3_proc using form1,f4_proc using form1,f5_proc using form1,
        f6_proc using form1,f7_proc using form1,f8_proc using form1,
        column 94,";       See Out Year Procurement"
  print column 94,";"
  print 54 spaces,
  for i=55 to 132 do print "-";
  print ""
  print 56 spaces,"1994",6 spaces,"1995",6 spaces,"1996",6 spaces,"1997",
        6 spaces,"1998",6 spaces,"1999",6 spaces,"2000",6 spaces,"2001"
  skip 1 line
  print 29 spaces,"Procurement (Out Years)",f9_proc using form1,
        f10_proc using form1,f11_proc using form1,f12_proc using form1,
        f13_proc using form1,f14_proc using form1,f15_proc using form1,
        f16_proc using form1
  print 52 spaces,-u9_proc using form1,-u10_proc using form1,
        -u11_proc using form1,-u12_proc using form1,-u13_proc using form1,
        -u14_proc using form1,-u15_proc using form1,-u16_proc using form1

end
```

```
Jul 25 12:16 1986  defroll Page 1


{Deficiency Summary

  Last changed 2/4/86.  added report mission area, system tradoc mission area,
          and date-time stamp.
  2/7/86. added page letter parameter. moved page number to input.  changes to
          ssndesc .
  3/20/86. changed to mamp database.
  3/29/86. changed to include all systems.
  6/10/86  revised the read statements.
  6/13/86  added def_class for classification. corrected printing of cont_value.
  7/23/86  changed the workpackage input variables to generic years.
  7/25/86. changed to generic rdte rollup file fundpro (from sysprol). }

database mamp end

define
  variable    linesleft      type integer
  variable    counter        type integer
  variable    total_fund     type integer
  variable    pagebreak      type integer
  variable    pagetrail      type character length 1
  variable    stars          type character length 4
  variable    evalcount      type integer
  variable    firstfl        type integer
  variable    pno            type integer
  variable    break          type integer
  variable    obreak         type integer
  param[1]    pletter        type character length 1
  param[2]    code           type integer
  param[3]    name           type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "defroll.out"
end

read into b
  dcl_def
  where dcl_code = code and dcl_name = name
end

read into a
  b
  def_desc def_type def_class
  ssndef_ssn ssndef_cont_value
  joining b.dcl_def = optional def_def
      and b.dcl_def = optional ssndef_def
end

read into c
```

```
  a
  prior1_ndef
  ssn_ssn ssn_acq_code ssn_amc_mgr ssn_da_ma ssn_tradoc_ma
  lrrdp_title lrrdp_procf1
  lrrdp_procf2 lrrdp_procf3 lrrdp_procf4 lrrdp_procf5 lrrdp_procf6
  lrrdp_procf7 lrrdp_procf8 lrrdp_procf9 lrrdp_procf10 lrrdp_procf11
  lrrdp_procf12 lrrdp_procf13 lrrdp_procf14 lrrdp_procf15 lrrdp_procf16
  f0_tb f1_tb f2_tb f3_tb f4_tb f5_tb f6_tb f7_tb
  f0_dev f1_dev f2_dev f3_dev f4_dev f5_dev f6_dev f7_dev
  joining a.ssndef_ssn = optional prior1_ssn_no
      and a.ssndef_ssn = optional ssn_ssn
      and a.ssndef_ssn = optional lrrdp_ssn
      and a.ssndef_ssn = optional fp_ssn
end

sort by dcl_def ssn_acq_code ssndef_cont_value ssndef_ssn end

format

page header
  let pagetrail=def_class
  if pagetrail="S" then print column 54,"******  S E C R E T  ******"
  else print column 47,"******  C O N F I D E N T I A L  ******"
  if pagebreak=1 then begin
    skip 1 line
    print "TRADOC DEFICIENCY:",dcl_def;
    print "      (continued)";
    print column 50,name,2 spaces;
    if def_type = 1 then print "Primary"
    else if def_type = 2 then print "Related"
    else if def_type = 3 then print "Non-Materiel"
    else if def_type = 4 then print "Health Service"
    else print " "
    skip 1 line
    print column 61," ----- ---------------------------------------------",
          "------------------"
    print column 61,"| CON | 86  87  88  89  90  91  92  93  94  95  96  ",
          "97  98  99  00  01 |"
    print column 61,"|-----|-----------------------------------------------",
          "-----------------|"
  end
  else begin
    skip 4 lines
    print "TRADOC DEFICIENCY:",dcl_def;
    print column 50,name,2 spaces;
    if def_type = 1 then print "Primary"
    else if def_type = 2 then print "Related"
    else if def_type = 3 then print "Non-Materiel"
    else if def_type = 4 then print "Health Service"
    else print " "
    skip 1 line
  end
  let linesleft = 48

before group of dcl_def
  let pagebreak = 0
```

```
  let firstfl = 0
  skip to top of page
  print "DESCRIPTION:   ";
  let break = 118
  while def_desc[break,break]<>" " do let break = break-1
  print def_desc[1,break]
  let obreak = break+1
  let break = break+125
  while def_desc[break,break]<>" " do let break = break-1
  print 7 spaces,def_desc[obreak,break]
  let obreak = break+1
  let break = break+125
  while def_desc[break,break]<>" " do let break = break-1
  print 7 spaces,def_desc[obreak,break]
  let obreak = break+1
  let break = break+125
  while def_desc[break,break]<>" " do let break = break-1
  print 7 spaces,def_desc[obreak,break]
  let obreak = break+1
  let break = break+125
  while def_desc[break,break]<>" " do let break = break-1
  print 7 spaces,def_desc[obreak,break]
  skip 2 lines
  print column 61," ----- ----------------------------------------",
        "--------------------"
  print column 61,"! CON ! 86  87  88  89  90  91  92  93  94  95  96  ",
        "97  98  99  00  01 !"
  print column 61,"!-----!-----------------------------------------",
        "--------------------!"
  let linesleft = linesleft-10

before group of ssn_acq_code
  if linesleft<8 then begin
    let pagebreak = 1
    if linesleft > 1 then print column 61,"!",column 67,"!",column 132,"!"
    print column 61," ----- ----------------------------------------",
          "---------------------- ";
    skip to top of page
  end
  if firstfl = 1 then begin
    print column 61,"!",column 67,"!",column 132,"!"
    print column 61,"!",column 67,"!",column 132,"!"
  end
  else let firstfl = 1
  let counter=0
  if ssn_acq_code = 1 then begin
    print "Base Case Systems:",column 61,"!",column 67,"!",column 132,"!"
    print "-------------------"; end
  else if ssn_acq_code = 2 then begin
    print "Type Classified:",column 61,"!",column 67,"!",column 132,"!"
    print "----------------"; end
  else if ssn_acq_code = 3 then begin
    print "Development Systems:",column 61,"!",column 67,"!",column 132,"!"
    print "--------------------"; end
  else if ssn_acq_code = 4 then begin
    print "PIPs:",column 61,"!",column 67,"!",column 132,"!"
```

```
    print "-----"; end
  else if ssn_acq_code = 5 then begin
    print "Technology Demonstrators:",column 61,"¦",column 67,"¦",column 132,"¦"
      print "-------------------------"; end
  else if ssn_acq_code = 6 then begin
    print "Broad Base Tech Area:",column 61,"¦",column 67,"¦",column 132,"¦"
    print "----------------------"; end
  else if ssn_acq_code = 7 then begin
    print "Requirement Above Corps",column 61,"¦",column 67,"¦",column 132,"¦"
    print "------------------------";
  end
  print column 61,"¦",column 67,"¦",column 132,"¦"
  let linesleft = linesleft-4

before group of ssndef_ssn
  if linesleft<4 then begin
    let pagebreak=1
    if linesleft > 1 then print column 61,"¦",column 67,"¦",column 132,"¦"
    print column 61," ----- ---------------------------------------------",
          "---------------------- ";
    skip to top of page
  end
  let counter=counter+1
  print column 61,"¦",column 67,"¦",column 132,"¦"
  print counter,". ",lrrdp_title[1,50],column 61,"¦  ",
        ssndef_cont_value,column 67,"¦";
  let total_fund=lrrdp_procf1 + lrrdp_procf2+lrrdp_procf3 + lrrdp_procf4+
                 lrrdp_procf5 + lrrdp_procf6+lrrdp_procf7 + lrrdp_procf8+
                 lrrdp_procf9 + lrrdp_procf10+lrrdp_procf11 + lrrdp_procf12+
                 lrrdp_procf13 + lrrdp_procf14+lrrdp_procf15 + lrrdp_procf16
  if ssndef_ssn matches "4*" then print column 93,"<STOCK FUNDED>";
  else if total_fund = 0  then print column 93,"<NOT SCHEDULED>";
  else begin
    if prior1_ndef=1 then let stars="****" else let stars="mmmm"
    if lrrdp_procf1 > 0 then print stars; else print "    ";
    if lrrdp_procf2 > 0 then print stars; else print "    ";
    if lrrdp_procf3 > 0 then print stars; else print "    ";
    if lrrdp_procf4 > 0 then print stars; else print "    ";
    if lrrdp_procf5 > 0 then print stars; else print "    ";
    if lrrdp_procf6 > 0 then print stars; else print "    ";
    if lrrdp_procf7 > 0 then print stars; else print "    ";
    if lrrdp_procf8 > 0 then print stars; else print "    ";
    if lrrdp_procf9 > 0 then print stars; else print "    ";
    if lrrdp_procf10 > 0 then print stars; else print "    ";
    if lrrdp_procf11 > 0 then print stars; else print "    ";
    if lrrdp_procf12 > 0 then print stars; else print "    ";
    if lrrdp_procf13 > 0 then print stars; else print "    ";
    if lrrdp_procf14 > 0 then print stars; else print "    ";
    if lrrdp_procf15 > 0 then print stars; else print "    ";
    if lrrdp_procf16 > 0 then print stars; else print "    ";
  end
  print column 132,"¦"
  print column 11,"ssn number: ",ssndef_ssn,column 30,"command: ",
        ssn_amc_mgr[1,9]," - ",ssn_da_ma," / ",ssn_tradoc_ma,
        column 61,"¦",column 67,"¦";
  let linesleft = linesleft-3
```

```
after group of ssndef_ssn
  let evalcount = 0
  if f0_tb+f0_dev > 0 then print"++++"; else print "    ";
  if f1_tb+f1_dev > 0 then print"++++"; else print "    ";
  if f2_tb+f2_dev > 0 then print"++++"; else print "    ";
  if f3_tb+f3_dev > 0 then print"++++"; else print "    ";
  if f4_tb+f4_dev > 0 then print"++++"; else print "    ";
  if f5_tb+f5_dev > 0 then print"++++"; else print "    ";
  if f6_tb+f6_dev > 0 then print"++++"; else print "    ";
  if f7_tb+f7_dev > 0 then print"++++"; else print "    ";
  print column 132,"!"

after group of dcl_def
  let pagebreak = 0
  if linesleft>1 then print column 61,"!",column 67,"!",column 132,"!"
  print column 61," ----- ----!-------------------------------------",
        "-!------------------ ";

page trailer
  skip 1 line
  print "Legend:";
  if pagetrail = "S" then print column 54, "******  S E C R E T  ******"
  else print column 47,"******  C O N F I D E N T I A L  ******"
  print " **** - System Production Funding",column 100,date,2 spaces,time
  print " mmmm - Multi-def. System Production Funding"
  print " ++++ - Work Package RDTE Funding";
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

end
```

```
{ deficiency to system cross reference check. 6/5/86
  6/30/86 changed to unclassified with new guidance.}

database mamp end

define
  variable pno      type integer
  param[1] pletter  type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "defsys.out"
end

read into a
  dcl_def
  where dcl_code = code and dcl_name = name
end

read into b
  a
  ssndef_ssn ssndef_cont_value
  lrrdp_title
  joining a.dcl_def = optional ssndef_def
      and ssndef_ssn = optional lrrdp_ssn
end

read into c
  scl_ssn
  where scl_code = code and scl_name = name
end

read into d
  b
  c
  joining b.ssndef_ssn = optional c.scl_ssn
end

sort by dcl_def ssndef_ssn end

format

page header
  print column 47,"***** U N C L A S S I F I E D *****"
  skip 2 lines
  print column 44,name clipped," DEFICIENCIES  WITH SYSTEM BDP RANKING"
  skip 2 lines
```

```
page trailer
  skip 2 lines
  print column 47,"***** U N C L A S S I F I E D *****"
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of dcl_def
  print dcl_def

before group of ssndef_ssn
  print 10 spaces,ssndef_ssn,1 space;
  if scl_ssn<>" " then print "*"; else print " ";
  print 5 spaces,ssndef_cont_value,5 spaces,lrrdp_title

end
```

```
{ Funded workpackage data for systems in BDP priority order.  This file was
  taken from decsysbdp on 1 May 86.  It was requested by Dr. Ken Oscar to
  support the Belvoir review process.  It includes only the funded workpkgs
  from the year 87 to 92. }

database mamp end

define
  variable pno      type integer
  variable cnt      type integer
  variable tot87    type long
  variable tot88    type long
  variable tot89    type long
  variable tot90    type long
  variable tot91    type long
  variable tot92    type long
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  repo t to "fundsysbdp.out"
end

read into b
  scl_ssn
  where scl_code = code and scl_name = name
end

read into a
  b
  ssn_amc_mgr ssn_da_ma ssn_tradoc_ma
  lrrdp_title priori_score priori_ndef
  where ssn_acq_code > 2 or ssn_acq_code = 0
  joining b.scl_ssn = optional ssn_ssn
      and b.scl_ssn = optional lrrdp_ssn
      and b.scl_ssn = optional priori_ssn_no
end

read into c
  b
  wkpkg_wkpsys_idx wkpkg_title wkpf_yr wkpf_fund
  where wkpf_fund > 0  and wkpf_yr > 1986
  joining b.scl_ssn = wkpsys_ssn
      and wkpsys_wkpkg_idx = wkpkg_wkpsys_idx
      and wkpkg_no_idx = wkpf_wkpkg_idx
end

read into d
```

```
  a
  c.wkpkg_wkpsys_idx c.wkpkg_title c.wkpf_yr c.wkpf_fund
  joining a.scl_ssn = optional c.scl_ssn
end

sort by priori_score descending priori_ndef descending
        scl_ssn wkpkg_no wkpf_yr end

format

page header
  print column 47,"***** U N C L A S S I F I E D *****"
  skip 2 lines
  print column 44,name clipped," 1-N DEVELOPMENT SYSTEM BDP RANKING"
  print column 43,"WITH FUNDED RDT&E WORKPACKAGE TOTALS SHOWN"
  skip 2 lines
  print 6 spaces,"SSN",3 spaces,"DA MA",2 spaces,"AMC MGR",15 spaces,
    "TITLE",column 86,"FUNDED DEVELOPMENT SCHEDULE ($K)",column 127,"RATING"
  print column 78,"FY87     FY88     FY89     FY90     FY91     FY92"
  skip 1 line

page trailer
  skip 2 lines
  print column 47,"***** U N C L A S S I F I E D *****"
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of scl_ssn
  let cnt = cnt+1
  let tot87 = 0
  let tot88 = 0
  let tot89 = 0
  let tot90 = 0
  let tot91 = 0
  let tot92 = 0
  print cnt using "###. ",scl_ssn,2 spaces,ssn_da_ma,
        3 spaces,ssn_amc_mgr[1,8],1 space,lrrdp_title[1,44],2 spaces;

after group of scl_ssn
  print tot87 using "######## ",tot88 using "######## ",tot89 using "######## ",
        tot90 using "######## ",tot91 using "######## ",tot92 using "######## ",
        priori_score using "########.##"

before group of wkpf_yr
  if wkpf_yr = 1987 then      let tot87 = tot87 + wkpf_fund
  else if wkpf_yr = 1988 then let tot88 = tot88 + wkpf_fund
  else if wkpf_yr = 1989 then let tot89 = tot89 + wkpf_fund
  else if wkpf_yr = 1990 then let tot90 = tot90 + wkpf_fund
  else if wkpf_yr = 1991 then let tot91 = tot91 + wkpf_fund
  else if wkpf_yr = 1992 then let tot92 = tot92 + wkpf_fund

end
```

```
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{ DECISION AID FOR WORKPACKAGES BASED ON BDP PRIORITIES.
  THIS REPORT SHOWS THE FUNDED WORKPACKAGES.

  4/25/86 changed to mamp data base.
          taken from decwpbdp, altered to show the workpackage funded
          quantities, and sorted by the subcategory.
  5/12/86 limited to 6.3,6.4 and 6.7 workpackages. }

database mamp end

define
  variable pno      type integer
  variable pgend    type integer
  variable cnt      type integer
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "fundwpbdp.out"
end

read into b
  pcl_idx
  where pcl_code = code and pcl_name = name
    and (pcl_subcat = "6.3A" or pcl_subcat = "6.3B" or pcl_subcat= "6.4"
         or pcl_subcat = "6.7")
end

read into c
  prior2_score prior2_nsys
  wkpkg_no_idx wkpkg_subcat wkpkg_pe wkpkg_proj wkpkg_task wkpkg_title
  joining b.pcl_idx = wkpkg_proj_idx
      and wkpkg_no_idx = optional prior2_wkpkg_idx
end

read into d
  wkpf_wkpkg_idx wkpf_yr wkpf_fund
  where wkpf_fund > 0
  joining c.wkpkg_no_idx = wkpf_wkpkg_idx
end

read into a
  c
  d.wkpf_yr d.wkpf_fund
  joining c.wkpkg_no_idx = optional d.wkpf_wkpkg_idx
end

sort by wkpkg_subcat prior2_score descending prior2_nsys descending
```

```
        wkpkg_pe wkpkg_proj wkpkg_task wkpkg_no wkpf_yr end

format

page header
  print column 47,"******  U N C L A S S I F I E D  ******"
  skip 2 lines
  print column 47,name clipped," 1 TO N ",wkpkg_subcat clipped,
        " WORKPACKAGE BDP RANKINGS"
  print column 50,"WITH FUNDED FISCAL RESOURCES SHOWN"
  skip 3 lines
  print column 87,"FUNDED DEVELOPMENT SCHEDULE"
  print " -------------- ------------------------------------------------------",
        "--------- ----- ------ ------------------------------------------------ "
  print "|        PE/PROJ/TASK/WKPKG",5 spaces,"TITLE",column 67,
        "|  FY85    FY86    FY87    FY88    FY89    FY90    FY91    FY92  |"
  print "|----------------- ------------- ----- ---------------------------",
        "|----------------- --- ---------------------------------------------|"
  print "|",column 67,"|",column 132, "|"
  let pgend = 0

page trailer
  if pgend = 0 then begin
    print "|",column 67,"|",column 132, "|"
    print " ------------ ------------------------------------------------------",
          "------------------------------------------------------------------ "
  end
  else skip 2 lines
  skip 2 lines
  print column 47,"******  U N C L A S S I F I E D  ******"
  print column 100,date,2 spaces,time
  if pletter = "Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of wkpkg_subcat
  let cnt = 0
  skip to top of page

after group of wkpkg_subcat
  let pgend = 1
  print "|",column 67,"|",column 132,"|"
  print " --------- ------------------------------------------------------",
        "------------------------------------------------------------------ "

before group of wkpkg_no
  let cnt = cnt+1
  print "| ",cnt using "###. ",wkpkg_title[1,55],column 67,"|",

before group of wkpf_yr
  if wkpf_yr>0 then begin
    if wkpf_fund>0 then print column (8*(wkpf_yr-1985)+68),
                                wkpf_fund using "####### ";
  end

after group of wkpkg_no
```

```
  print column 132,"¦"
  print "¦ ",5 spaces,wkpkg_cmd,1 space,
       wkpkg_pe,1 space,wkpkg_proj,1 space,wkpkg_task clipped,1 space,
       wkpkg_no,column 67,"¦",column 132,"¦"

end
```

```
{ DECISION AID FOR WORKPACKAGES BASED ON BDP PRIORITIES.
  THIS REPORT SHOWS THE FUNDED WORKPACKAGES.

  4/25/86 changed to mamp data base.
          taken from decwpbdp, altered to show the workpackage funded
          quantities, and sorted by the subcategory.
  5/12/86 taken from fundwpbdp.
          changed to include only 6.3 and 6.4 and 6.7 workpackages, eliminate
          subcategory sort, added extra spacing after each workpackage.}

database mamp end

define
  variable pno      type integer
  variable pgend    type integer
  variable cnt      type integer
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "fundwpbdp2.out"
end

read into b
  pcl_idx
  where pcl_code = code and pcl_name = name
    and (pcl_subcat = "6.3A" or pcl_subcat = "6.3B" or pcl_subcat = "6.4"
         or pcl_subcat = "6.7")
end

read into c
  prior2_score prior2_nsys
  wkpkg_no_idx  wkpkg_pe wkpkg_proj wkpkg_task wkpkg_title
  joining b.pcl_idx = wkpkg_proj_idx
      and wkpkg_no_idx = optional prior2_wkpkg_idx
end

read into d
  wkpf_wkpkg_idx wkpf_yr wkpf_fund
  where wkpf_fund > 0
  joining c.wkpkg_no_idx = wkpf_wkpkg_idx
end

read into a
  c
  d.wkpf_yr d.wkpf_fund
  joining c.wkpkg_no_idx = optional d.wkpf_wkpkg_idx
end
```

```
sort by  prior2_score descending prior2_nsys descending
        wkpkg_pe wkpkg_proj wkpkg_task wkpkg_no wkpf_yr end

format

page header
  print column 47,"******  U N C L A S S I F I E D  ******"
  skip 2 lines
  print column 49,name clipped," 1 TO N WORKPACKAGE BDP RANKINGS"

  print column 50,"WITH FUNDED FISCAL RESOURCES SHOWN"
  skip 2 lines
  print column 87,"FUNDED DEVELOPMENT SCHEDULE"
  print " ------------------------------------------------------------------",
        "------------------------------------------------------------------ "
  print "|        PE/PROJ/TASK/WKPKG",5 spaces,"TITLE",column 67,
        "|  FY85    FY86    FY87    FY88    FY89    FY90    FY91    FY92  |"
  print "|------------------------------------------------------------------",
        "|------------------------------------------------------------------|"
  print "|",column 67,"|",column 132, "|"
  let pgend = 0

page trailer
  if pgend = 0 then begin
    print " ------------------------------------------------------------------",
          "------------------------------------------------------------------ "
  end
  else skip 1 line
  skip 2 lines
  print column 47,"******  U N C L A S S I F I E D  ******"
  print column 100,date,2 spaces,time
  if pletter = "Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

on last record
  print " ------------------------------------------------------------------",
        "------------------------------------------------------------------ "
  let pgend = 1

before group of wkpkg_no
  let cnt = cnt+1
  print "| ",cnt using "###. ",wkpkg_title[1,55],column 67,"|";

before group of wkpf_yr
  if wkpf_yr>0 then begin
    if wkpf_fund>0 then print column (8*(wkpf_yr-1985)+68),
                           wkpf_fund using "####### ";
  end

after group of wkpkg_no
  print column 132,"|"
  print "| ",5 spaces,wkpkg_cmd,1 space,
       wkpkg_pe,1 space,wkpkg_proj,1 space,wkpkg_task clipped,1 space,
       wkpkg_no,column 67,"|",column 132,"|"
```

```
  print ":",column 67,":",column 132,":"
end
```

```
{ DECISION AID FOR WORKPACKAGES BASED ON LRRDP PRIORITIES.
  THIS REPORT SHOWS THE FUNDED WORKPACKAGES.

  4/25/86 changed to mamp data base.
          taken from decwpbdp, altered to show the workpackage funded
          quantities, and sorted by the subcategory.
  5/12/86 taken from fundwpbdp and lrrdpwp, removed subcategory sort, limited
          to 6.3A to 6.4 and 6.7 workpackages, added report spacing.  }

database mamp end

define
  variable pno      type integer
  variable pgend    type integer
  variable cnt      type integer
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "fundwplrp.out"
end

read into b
  pcl_idx
  where pcl_code = code and pcl_name = name
    and (pcl_subcat = "6.3A" or pcl_subcat = "6.3B" or pcl_subcat = "6.4"
         or pcl_subcat = "6.7")
end

read into a
  wkpkg_no_idx wkpkg_pe wkpkg_proj wkpkg_task wkpkg_title wkpkg_pdip
  joining b pcl_idx = wkpkg_proj_idx
end

read into f
  a
  lrrdppri_pri
  ok = 1
  joining a.wkpkg_pdip = lrrdppri_pdip
end

read into g
  a
  lrrdppri_pri
  ok = 0
  where lrrdppri_pri = 0.0
  joining a.wkpkg_pdip = optional lrrdppri_pdip
end
```

```
assign h = f union g end

read into d
  wkpf_wkpkg_idx wkpf_yr wkpf_fund
  where wkpf_fund > 0
  joining a.wkpkg_no_idx = wkpf_wkpkg_idx
end

read into e
  h
  d.wkpf_yr d.wkpf_fund
  joining h.wkpkg_no_idx = optional d.wkpf_wkpkg_idx
end

sort by ok descending lrrdppri_pri
        wkpkg_pe wkpkg_proj wkpkg_task wkpkg_no wkpf_yr end

format

page header
  print column 47,"******  U N C L A S S I F I E D  ******"
  skip 2 lines
  print column 49,name clipped," 1 TO N WORKPACKAGE PDIP RANKINGS"
  print column 50,"WITH FUNDED FISCAL RESOURCES SHOWN"
  skip 2 lines
  print column 87,"FUNDED DEVELOPMENT SCHEDULE"
  print " --------------- ------------------------------------------------------",
        "---------- ----- ------------------------------------------------------ "
  print "|        PE/PROJ/TASK/WKPKG",5 spaces,"TITLE",column 67,
        "|  FY85    FY86    FY87    FY88    FY89    FY90    FY91    FY92  |"
  print "|-----------------------------------------------------------------------",
        "|-----------------------------------------------------------------------|"
  print "|",column 67,"|",column 132, "|"
  let pgend = 0

page trailer
  if pgend = 0 then begin
    print " ---------------------------------------------------------------------",
          "---------------------------------------------------------------------- "
  end
  else skip 1 line
  skip 2 lines
  print column 47,"******  U N C L A S S I F I E D  ******"
  print column 100,date,2 spaces,time
  if pletter = "Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

on last record
  print " --------------- ------------------------------------------------------",
        "------------------ ---------------------------------------------------- "
  let pgend = 1

before group of wkpkg_no
  let cnt = cnt+1
```

```
  print "! ",cnt using "###. ",wkpkg_title[1,55],column 67,"!";

before group of wkpf_yr
  if wkpf_yr>0 then begin
    if wkpf_fund>0 then print column (8*(wkpf_yr-1985)+68),
                             wkpf_fund using "######## ";
  end

after group of wkpkg_no
  print column 132,"!"
  print "! ",5 spaces,wkpkg_cmd,1 space,
       wkpkg_pe,1 space,wkpkg_proj,1 space,wkpkg_task clipped,1 space,
       wkpkg_no,column 67,"!",column 132,"!"
  print "!",column 67,"!",column 132,"!"

end
```

```
{ report to generate the highest priority pdip for all systems in the control
  file to be input directly into hipri file using load ascii. }

database mamp end

output
  page length 32000
  top margin 0
  left margin 0
  right margin 132
  report to "hipri.out"
end

read into c
  unissn_ssn
  lrrdp_title lrrdp_pdip lrrdppri_pri
  ok = 1
  joining unissn_ssn = lrrdp_ssn
      and lrrdp_pdip = lrrdppri_pdip
end

read into b
  unissn_ssn
  lrrdp_title lrrdp_pdip lrrdppri_pri
  ok = 0
  where lrrdppri_pri = 0.0
  joining unissn_ssn = optional lrrdp_ssn
      and lrrdp_pdip = optional lrrdppri_pdip
end

assign a = c union b end

sort by  unissn_ssn ok descending lrrdppri_pri end

format

before group of unissn_ssn
  print unissn_ssn,"|",lrrdp_pdip,"|",lrrdppri_pri,"|",ok,"|",lrrdp_title,"|"

end
```

```
database mamp end

define
  variable cnt  type integer
  variable flag type integer
  variable v    type character length 1
end

output
  top margin 0
  page length 32000
  left margin 0
  right margin 132
  report to "joinassr.out"
end

read into a
  assn
end

sort by assn_ssn assn_assoc_ssn end

format

before group of assn_ssn
  let cnt = 0
  let flag = 0
  let v = "!"
  print assn_ssn,v;

before group of assn_assoc_ssn
  let cnt = cnt+1
  if cnt>15 then let flag = 1
  if flag = 0 then print assn_assoc_ssn,v;

after group of assn_ssn
  let cnt = 15-cnt
  while cnt>0 do begin
    print "       ",v;
    let cnt = cnt-1
  end
  print ""

end
```

```
database mamp end

output
  report to "lrrdp.out"
end

read
  lrrdp_ssn lrrdp_title
  ssn_tradoc_ma
  joining lrrdp_ssn = optional ssn_ssn
end

sort by lrrdp_ssn end

format

page header
  print column 50,"LRRDP SYSTEMS BY SSN"
  skip 2 lines

before group of lrrdp_ssn
  print 32 spaces,lrrdp_ssn,5 spaces,ssn_tradoc_ma,5 spaces,lrrdp_title

end
```

```
database mamp end

output
  report to "lrrdp1.out"
end

read into a
  lrrdp_ssn lrrdp_title
  ssn_tradoc_ma
  joining lrrdp_ssn = optional ssn_ssn
end

sort by lrrdp_title lrrdp_ssn end

format

page header
  print column 50,"LRRDP SYSTEMS BY TITLE"
  skip 2 lines

before group of lrrdp_ssn
  print 32 spaces,lrrdp_ssn,5 spaces,ssn_tradoc_ma,5 spaces,lrrdp_title

end
```

```
{ This report produces a single list of all lrrdp pdips and priorities for
  use in interpreting the lrrdp priority outputs.  }

database mamp end

define
  variable pno      type integer
  param[1] pletter type character length 1
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "lrrdppri.out"
end

read
  lrrdppri
end

sort by lrrdppri_pdip end

format

page header
  print column 47,"***** C O N F I D E N T I A L *****"
  skip 2 lines
  print column 47,"  DA PRIORITY BY PDIP AND INCREMENT"
  skip 2 lines
  print 6 spaces,"PDIP/INCREMENT",6 spaces,"PRIORITY"
  skip 1 line

page trailer
  skip 2 lines
  print column 47,"***** C O N F I D E N T I A L *****"
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of lrrdppri_pdip
  print 6 spaces,lrrdppri_pdip[1,4],"-",lrrdppri_pdip[5,6],6 spaces,lrrdppri_pri

end
```

```
{  System priority report based on the LRRDP priorities.
   4/23/86 changed to mamp database.
   4/25/86 changed to reflect classified nature of the lrrdp priorities.
           added parameter to select or deselect the priorities.
   5/2/86 changed to print only the highest priority pdip for one system.
   5/12/86 added the base case systems and stuck them at the head of the list.}

database mamp end

define
  variable cnt      type integer
  variable pno      type integer
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
  param[4] class    type character length 1
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "lrrdpsys.out"
end

read into b
  scl_ssn
  where scl_code = code and scl_name = name
end

read into a
  b
  ssn_amc_mgr ssn_da_ma
  bc = 0
  where ssn_acq_code > 2 or ssn_acq_code = 0
  joining b.scl_ssn = optional ssn_ssn
end

read into d
  b
  ssn_amc_mgr ssn_da_ma
  bc = 1
  where ssn_acq_code = 1
  joining b.scl_ssn = ssn_ssn
end

assign e = a union d end

read into c
  e
  hipri_pdip hipri_pri hipri_ok hipri_title
  joining e.scl_ssn = hipri_ssn
end
```

```
sort by bc descending hipri_pdip descending hipri_pri scl_ssn hipri_pdip end

format

page header
  if class = "U" then print column 47, "***** U N C L A S S I F I E D *****"
  else print column 47, "***** C O N F I D E N T I A L *****"
  skip 2 lines
  print column 46, "DA DEVELOPMENT SYSTEM PRIORITY FOR ", name
  skip 2 lines
  print 17 spaces, "SSN", 5 spaces, "DA MA", 4 spaces, "AMC MGR", 15 spaces,
    "TITLE", column 98, "  PDIP        PRIORITY"
  skip 1 line

page trailer
  skip 2 lines
  if class = "U" then print column 47, "***** U N C L A S S I F I E D *****"
  else print column 47, "***** C O N F I D E N T I A L *****"
  print column 100, date, 2 spaces, time
  if pletter="Z" then print column 60, pno
  else print column 60, pletter, "-", pno using "###"
  let pno = pno+1

before group of hipri_pdip
  let cnt = cnt+1
  print 10 spaces, cnt using "####. ", scl_ssn, 4 spaces, ssn_da_ma,
        5 spaces, ssn_amc_mgr, column 30, hipri_title[1,50], 2 spaces,
        hipri_pdip[1,4], "-", hipri_pdip[5,6], 2 spaces;
  if bc=1 then print "   base case"
  else if class = "C" then begin
    if hipri_ok=1 then print hipri_pri else print " not assigned"
  end
  else begin
    if hipri_ok=1 then print "" else print " not assigned"
  end

end
```

```
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{ Workpackage priority report based on lrrdp priorities.

  4/23/86 changed to the mamp data base.
  4/25/86 changed to reflect classification of lrrdp priorities and to
          add parameter to deselect printing of classification.
  5/12/86 limited to 6.3, 6.4, and 6.7 workpackages.}

database mamp end

define
  variable cnt      type integer
  variable pno      type integer
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
  param[4] class    type character length 1
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "lrrdpwp.out"
end

read into b
  pcl_idx
  where pcl_code = code and pcl_name = name
    and (pcl_subcat = "6.3A" or pcl_subcat = "6.3B" or pcl_subcat = "6.4"
         or pcl_subcat = "6.7")
end

read into a
  wkpkg_cmd wkpkg_no wkpkg_pe wkpkg_proj wkpkg_task wkpkg_title wkpkg_pdip
  joining b.pcl_idx = wkpkg_proj_idx
end

read into c
  a
  lrrdppri_pri
  ok=1
  joining a.wkpkg_pdip = lrrdppri_pdip
end

read into b
  a
  lrrdppri_pri
  ok = 0
  where lrrdppri_pri = 0.0
  joining a.wkpkg_pdip = optional lrrdppri_pdip
end

assign a = c union b end
```

```
sort by  ok descending lrrdppri_pri
         wkpkg_pe wkpkg_proj wkpkg_task wkpkg_no end

format

page header
  if class = "U" then print column 47,"***** U N C L A S S I F I E D *****"
  else print column 47,"***** C O N F I D E N T I A L *****"
  skip 2 lines
  print column 47,"  DA WORKPACKAGE PRIORITY FOR ",name
  skip 2 lines
  print 6 spaces,"PE     PROJ TASK       NO",18 spaces,"TITLE",45 spaces,
        "COMMAND",6 spaces,"PDIP      PRIORITY"
  skip 1 line

page trailer
  skip 2 lines
  if class = "U" then print column 47,"***** U N C L A S S I F I E D *****"
  else print column 47,"***** C O N F I D E N T I A L *****"
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

after group of wkpkg_no
  let cnt = cnt+1
  print cnt using "####. ",wkpkg_pe,1 space,wkpkg_proj,1 space,wkpkg_task,
      1 space,wkpkg_no,3 spaces,wkpkg_title,wkpkg_cmd,wkpkg_pdip[1,4],"-",
      wkpkg_pdip[5,6];
  if class = "C" then begin
    if ok=1 then print lrrdppri_pri else print "   not assigned"
  end
  else begin
    if ok=1 then print "" else print "   not assigned"
  end

end
```

```
{ MAMP PDIP REPORT.  7/16/86.
  This report is an abbreviated lrrdp summary that reflects the data in the
  mamp.  It is intended for high level review of the mission area program. }

database mamp end

define
  variable cnt      type integer
  variable cont     type integer
  variable break    type integer
  variable obreak   type integer
  variable pno      type integer
  variable unf      type integer
  variable stars    type character length 3
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "mamppdip.out"
end

read into c
  scl_ssn
  where scl_name = name and scl_code = code
end

read into a
  c
  ssn_amc_mgr ssn_tradoc_ma ssn_da_ma
  bctc = 0
  where ssn_acq_code < 3
  joining c.scl_ssn = optional ssn_ssn
end

read into b
  c
  ssn_amc_mgr ssn_tradoc_ma ssn_da_ma
  bctc = 1
  where ssn_acq_code > 2
  joining c.scl_ssn = optional ssn_ssn
end

assign c = a union b end

read into b
  c
  prior1_score
  lrrdp
```

```
  lrrdppri
  joining c.scl_ssn = optional prior1_ssn_no
      and c.scl_ssn = lrrdp_ssn
      and lrrdp_pdip = optional lrrdppri_pdip
end

read into d
  pcl_idx
  where pcl_cat = "6.3" and pcl_subcat <> "6.5"
    and pcl_code = code and pcl_name = name
end

read into e
  proj_title
  wkpkg_wkpsys_idx wkpkg_pdip
  wkpfr_f0 wkpfr_f1 wkpfr_f2 wkpfr_f3 wkpfr_f4 wkpfr_f5 wkpfr_f6 wkpfr_f7
  wkpfr_u0 wkpfr_u1 wkpfr_u2 wkpfr_u3 wkpfr_u4 wkpfr_u5 wkpfr_u6 wkpfr_u7
  joining d.pcl_idx = wkpkg_proj_idx
      and wkpkg_no_idx = optional wkpfr_wkpkg_idx
      and d.pcl_idx = proj_idx
end

read into c
  b
  e
  joining b.lrrdp_sys_idx = optional uniwkp_sys_idx
      and uniwkp_wkpkg_idx = optional e.wkpkg_wkpsys_idx
end

sort by lrrdp_pdip[1,4] lrrdp_pdip[5,6] bctc prior1_score descending
        scl_ssn wkpkg_pe wkpkg_proj wkpkg_cmd end

format

page header
  let cnt = 0
  print column 47,"*****  C O N F I D E N T I A L  *****"
  skip 2 lines
  print column 52,"MAMP PDIP SUMMARY FOR ",name clipped
  skip 1 line
  print "PDIP: ",lrrdp_pdip[1,4];
  if cont = 1 then print " (continued)";
  print column 28,"Title: ",lrrdppri_title,column 65,
        "DA/TRADOC Mission Areas: ",lrrdppri_da_ma," / ",lrrdppri_tradoc_ma,
        column 110,"Proponent: ",lrrdppri_tradoc_pro
  let cont = 0
  skip 2 lines
  print column 15,"SYSTEM AND RELATED PROJECT TITLES",
        column 87,"PROCUREMENT/RDTE SCHEDULE"
  print column 75,
      " -- ----- ------------------------------------------------------- "
  print column 75,
      "| 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01|  BDP  |"
  print column 75,
      "|- ---------------------------------------------|-------|"
```

```
page trailer
  print "Legend: ",column 47,"*****  C O N F I D E N T I A L  *****"
  print "***/^^^ - Funded/Unfunded Procurement",column 100,date,2 spaces,time
  print "+++/--- - Funded/Unfunded RDTE";
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of lrrdp_pdip[1,4]
  skip to top of page

before group of lrrdp_pdip[5,6]
  if cnt > 37 then begin
    let cont = 1
    skip to top of page
  end
  print column 75,"¦",column 124,"¦",column 132,"¦"
  print column 5,"Increment: ",lrrdp_pdip[1,4],"-",lrrdp_pdip[5,6],
        column 30,"Priority: ",lrrdppri_pri using "####.##";
  print column 75,"¦",column 124,"¦",column 132,"¦"
  if lrrdppri_pri>800.0 or lrrdppri_pri<1.0 then let unf=1 else let unf=0
  let cnt = cnt+2

after group of lrrdp_pdip[5,6]
  if cnt < 43 then print column 75,"¦",column 124,"¦",column 132,"¦"
  print column 75," ---------- ---------- ";
  let cnt = cnt+2

before group of bctc
  if cnt > 39 then begin
    let cont = 1
    print column 75,
          " ---------- ---------- ";
    skip to top of page
  end
  print column 75,"¦",column 124,"¦",column 132,"¦"
  if bctc = 0 then print column 10,"***  Procurement Systems  ***";
              else print column 10,"***  Development Systems  ***";
  print column 75,"¦",column 124,"¦",column 132,"¦"
  print column 75,"¦",column 124,"¦",column 132,"¦"
  let cnt = cnt+3

before group of scl_ssn
  if cnt > 42 then begin
    let cont = 1
    print column 75,
          " ---------- ---------- ";
    skip to top of page
  end
  let cnt = cnt+1
  print scl_ssn,2 spaces,lrrdp_title[1,55],1 space,
        ssn_da_ma," / ",ssn_tradoc_ma,column 75,"¦";
  if unf=1 then let stars="^^^" else let stars="***"
  if lrrdp_procf1>0 then print stars; else print "   ";
  if lrrdp_procf2>0 then print stars; else print "   ";
  if lrrdp_procf3>0 then print stars; else print "   ";
```

```
  if lrrdp_procf4>0 then print stars; else print "    ";
  if lrrdp_procf5>0 then print stars; else print "    ";
  if lrrdp_procf6>0 then print stars; else print "    ";
  if lrrdp_procf7>0 then print stars; else print "    ";
  if lrrdp_procf8>0 then print stars; else print "    ";
  if lrrdp_procf9>0 then print stars; else print "    ";
  if lrrdp_procf10>0 then print stars; else print "    ";
  if lrrdp_procf11>0 then print stars; else print "    ";
  if lrrdp_procf12>0 then print stars; else print "    ";
  if lrrdp_procf13>0 then print stars; else print "    ";
  if lrrdp_procf14>0 then print stars; else print "    ";
  if lrrdp_procf15>0 then print stars; else print "    ";
  if lrrdp_procf16>0 then print stars; else print "    ";
  if priori_score = 0.0 then print column 124,"|",column 132,"|"
  else print column 124,"|",priori_score using " ##### ",column 132,"|"

after group of wkpkg_cmd
  if wkpkg_cmd<>" " then begin
    if cnt > 42 then begin
      let cont = 1
      print column 75,
            " ------------------------------------------------------------ ";
      skip to top of page
    end
    let cnt = cnt+1
    print 8 spaces,wkpkg_pe,1 space,wkpkg_proj,1 space,wkpkg_cmd[1,8],
          1 space,proj_title[1,45],column 75,"|";
    if group total of wkpfr_f0 > 0 then begin
      if group total of wkpfr_u0 > 0 then print "+-+"; else print "+++"; end
    else begin
      if group total of wkpfr_u0 > 0 then print "---"; else print "   "; end
    if group total of wkpfr_f1 > 0 then begin
      if group total of wkpfr_u1 > 0 then print "+-+"; else print "+++"; end
    else begin
      if group total of wkpfr_u1 > 0 then print "---"; else print "   "; end
    if group total of wkpfr_f2 > 0 then begin
      if group total of wkpfr_u2 > 0 then print "+-+"; else print "+++"; end
    else begin
      if group total of wkpfr_u2 > 0 then print "---"; else print "   "; end
    if group total of wkpfr_f3 > 0 then begin
      if group total of wkpfr_u3 > 0 then print "+-+"; else print "+++"; end
    else begin
      if group total of wkpfr_u3 > 0 then print "---"; else print "   "; end
    if group total of wkpfr_f4 > 0 then begin
      if group total of wkpfr_u4 > 0 then print "+-+"; else print "+++"; end
    else begin
      if group total of wkpfr_u4 > 0 then print "---"; else print "   "; end
    if group total of wkpfr_f5 > 0 then begin
      if group total of wkpfr_u5 > 0 then print "+-+"; else print "+++"; end
    else begin
      if group total of wkpfr_u5 > 0 then print "---"; else print "   "; end
    if group total of wkpfr_f6 > 0 then begin
      if group total of wkpfr_u6 > 0 then print "+-+"; else print "+++"; end
    else begin
      if group total of wkpfr_u6 > 0 then print "---"; else print "   "; end
    if group total of wkpfr_f7 > 0 then begin
```

```
      if group total of wkpfr_u7 > 0 then print "+--+"; else print "+++", end
    else begin
      if group total of wkpfr_u7 > 0 then print "---"; else print "   "; end
    print column 124,"!",column 132,"!"
  end

end
```

```
{ 6/17/86. SYSTEM/PDIP/COMMODITY report.
  7/10/86. changed to unclassified given new guidance.
  7/11/86. added classification parameter. }

database mamp end

define
  variable cnt      type integer
  variable head     type integer
  variable cont     type integer
  variable break    type integer
  variable obreak   type integer
  variable pno      type integer
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
  param[4] class    type character length 1
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "pdipcom.out"
end

read into b
  scl_ssn
  where scl_name = name and scl_code = code
end

read into c
  b
  ssn_amc_mgr ssn_acq_code ssn_com_line ssn_tradoc_ma ssn_da_ma
  com_acq_strat acq_type
  joining b.scl_ssn = optional ssn_ssn
      and ssn_acq_code = optional acq_code
      and ssn_com_line = optional com_com_line
end

read into a
  c
  prior1_score
  ssndroll
  joining c.scl_ssn = optional prior1_ssn_no
      and c.scl_ssn = optional ssnd_ssn
end

read into b
  a
  hipri_title hipri_pdip hipri_pri hipri_ok
  lrrdp_procf1 lrrdp_procf2  lrrdp_procf3  lrrdp_procf4 lrrdp_procf5
  lrrdp_procf6 lrrdp_procf7  lrrdp_procf8  lrrdp_procf9  lrrdp_procf10
```

```
  lrrdp_procf11 lrrdp_procf12  lrrdp_procf13  lrrdp_procf14  lrrdp_procf15
  lrrdp_procf16
  joining a.scl_ssn = optional hipri_ssn
      and hipri_sys_idx = optional lrrdp_sys_idx
end

read into d
  pcl_idx
  where pcl_cat = "6.3" and pcl_subcat <> "6.5"
     and pcl_code = code and pcl_name = name
end

read into e
  wkpkg_wkpsys_idx wkpkg_pdip
  wkpfr_f0 wkpfr_f1 wkpfr_f2 wkpfr_f3 wkpfr_f4 wkpfr_f5 wkpfr_f6 wkpfr_f7
  wkpfr_u0 wkpfr_u1 wkpfr_u2 wkpfr_u3 wkpfr_u4 wkpfr_u5 wkpfr_u6 wkpfr_u7
  joining d.pcl_idx = wkpkg_proj_idx
      and wkpkg_no_idx = optional wkpfr_wkpkg_idx
end

read into c
  b
  e
  joining b.scl_ssn = optional uniwkp_ssn
      and uniwkp_wkpkg_idx = optional e.wkpkg_wkpsys_idx
end

sort by ssn_com_line ssn_acq_code prior1_score descending
        hipri_ok descending hipri_pri scl_ssn end

format

page header
  let cnt = 0
  if class = "U" then print column 47,"*****  U N C L A S S I F I E D  *****"
  else print column 47,"*****  C O N F I D E N T I A L  *****"
  skip 2 lines
  print column 46;
  if ssn_com_line <> " " then print ssn_com_line clipped;
                         else print "__________";
  print " PDIP COMMODITY SUMMARY FOR ",name clipped;
  if cont = 1 then print " (continued)" else print ""
  let cont = 0
  skip 2 lines
  let head = 1

page trailer
  print "Legend:";
  if class = "U" then print column 47,"*****  U N C L A S S I F I E D  *****"
  else print column 47,"*****  C O N F I D E N T I A L  *****"
  print "*** - Funded Procurement",5 spaces,"~ - LRRDAP Priority",
        column 100,date,2 spaces,time
  print "+++ - Funded RDTE"
  print "--- - Unfunded RDTE";
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
```

```
  let pno = pno+1

before group of ssn_com_line
  skip to top of page
  print "Acquisition Strategy: ";
  let break = 110
  while com_acq_strat[break,break]<>" " do let break = break-1
  print com_acq_strat[1,break]
  let obreak = break+1
  let break = break+125
  while com_acq_strat[break,break]<>" " do let break = break-1
  print 7 spaces,com_acq_strat[obreak,break]
  let obreak = break+1
  let break = break+125
  while com_acq_strat[break,break]<>" " do let break = break-1
  print 7 spaces,com_acq_strat[obreak,break]
  let obreak = break+1
  let break = break+125
  while com_acq_strat[break,break]<>" " do let break = break-1
  print 7 spaces,com_acq_strat[obreak,break]
  let obreak = break+1
  let break = break+125
  if break>600 then let break = 600
  while com_acq_strat[break,break]<>" " do let break = break-1
  print 7 spaces,com_acq_strat[obreak,break]
  skip 1 lines
  let cnt = cnt+3

after group of ssn_com_line
  print column 67,
       " --------------- -------------------------------------------------- ";

before group of scl_ssn
  let cnt = cnt+1
  if cnt > 22 then begin
    let cont = 1
    print column 67,
         " --------------- -------------------------------------------------- ";
    skip to top of page
    let cnt = 1
  end
  if head = 1 then begin
    print column 15,"SYSTEM TITLES AND BDP DEFICIENCIES",
    column 87,"PROCUREMENT/RDTE SCHEDULE"
    print column 67,
         " --------------- -----------------------------------------  "
    print column 67,
         "!  PDIP ! 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01!PRI/BDP!"
    print column 67,
         "!-------!-------.---------- ---------------------------!-------!"
    let head = 0
  end
  print scl_ssn,2 spaces,hipri_title[1,45],1 space,
        ssn_da_ma," / ",ssn_tradoc_ma,column 67,"!",hipri_pdip[1,4],"-",
        hipri_pdip[5,6],"!";
  if lrrdp_procf1>0 then print "***"; else print "   ";
```

```
  if lrrdp_procf2>0 then print "***"; else print "   ";
  if lrrdp_procf3>0 then print "***"; else print "   ";
  if lrrdp_procf4>0 then print "***"; else print "   ";
  if lrrdp_procf5>0 then print "***"; else print "   ";
  if lrrdp_procf6>0 then print "***"; else print "   ";
  if lrrdp_procf7>0 then print "***"; else print "   ";
  if lrrdp_procf8>0 then print "***"; else print "   ";
  if lrrdp_procf9>0 then print "***"; else print "   ";
  if lrrdp_procf10>0 then print "***"; else print "   ";
  if lrrdp_procf11>0 then print "***"; else print "   ";
  if lrrdp_procf12>0 then print "***"; else print "   ";
  if lrrdp_procf13>0 then print "***"; else print "   ";
  if lrrdp_procf14>0 then print "***"; else print "   ";
  if lrrdp_procf15>0 then print "***"; else print "   ";
  if lrrdp_procf16>0 then print "***"; else print "   ";
  if ssn_acq_code < 3 then begin
    if class = "C" then
       print column 124,"!",hipri_pri using "***** ",column 132,"!"
    else print column 124,"!",column 132,"!"
  end
  else print column 124,"!",prior1_score using " ***** ",column 132,"!"
  print 8 spaces,ssn_amc_mgr[1,7];
  if ssnd_def1>0 then begin
    print ssnd_def1 using " ####";
    if ssnd_con1<>" " then print "-",ssnd_con1; else print "  "; end
  if ssnd_def2>0 then begin
    print ssnd_def2 using " ####";
    if ssnd_con2<>" " then print "-",ssnd_con2; else print "  "; end
  if ssnd_def3>0 then begin
    print ssnd_def3 using " ####";
    if ssnd_con3<>" " then print "-",ssnd_con3; else print "  "; end
  if ssnd_def4>0 then begin
    print ssnd_def4 using " ####";
    if ssnd_con4<>" " then print "-",ssnd_con4; else print "  "; end
  if ssnd_def5>0 then begin
    print ssnd_def5 using " ####";
    if ssnd_con5<>" " then print "-",ssnd_con5; else print "  "; end
  if ssnd_def6>0 then begin
    print ssnd_def6 using " ####";
    if ssnd_con6<>" " then print "-",ssnd_con6; else print "  "; end
  if ssnd_def7>0 then begin
    print ssnd_def7 using " ####";
    if ssnd_con7<>" " then print "-",ssnd_con7; else print "  "; end
  print column 67,"!",column 75,"!";

after group of scl_ssn
  if group total of wkpfr_f0 > 0 then begin
    if group total of wkpfr_u0 > 0 then print "+-+"; else print "+++"; end
  else begin
    if group total of wkpfr_u0 > 0 then print "---"; else print "   "; end
  if group total of wkpfr_f1 > 0 then begin
    if group total of wkpfr_u1 > 0 then print "+-+"; else print "+++"; end
  else begin
    if group total of wkpfr_u1 > 0 then print "---"; else print "   "; end
  if group total of wkpfr_f2 > 0 then begin
    if group total of wkpfr_u2 > 0 then print "+-+"; else print "+++"; end
```

```
  else begin
    if group total of wkpfr_u2 > 0 then print "---"; else print "   "; end
  if group total of wkpfr_f3 > 0 then begin
    if group total of wkpfr_u3 > 0 then print "+-+"; else print "+++"; end
  else begin
    if group total of wkpfr_u3 > 0 then print "---"; else print "   "; end
  if group total of wkpfr_f4 > 0 then begin
    if group total of wkpfr_u4 > 0 then print "+-+"; else print "+++"; end
  else begin
    if group total of wkpfr_u4 > 0 then print "---"; else print "   "; end
  if group total of wkpfr_f5 > 0 then begin
    if group total of wkpfr_u5 > 0 then print "+-+"; else print "+++"; end
  else begin
    if group total of wkpfr_u5 > 0 then print "---"; else print "   "; end
  if group total of wkpfr_f6 > 0 then begin
    if group total of wkpfr_u6 > 0 then print "+-+"; else print "+++"; end
  else begin
    if group total of wkpfr_u6 > 0 then print "---"; else print "   "; end
  if group total of wkpfr_f7 > 0 then begin
    if group total of wkpfr_u7 > 0 then print "+-+"; else print "+++"; end
  else begin
    if group total of wkpfr_u7 > 0 then print "---"; else print "   "; end
  print column 124,"|",column 132,"|"

before group of ssn_acq_code
  if cnt > 19 then begin
    let cont = 1
    print column 67,
        " ---------------------------------------------------------------- ";
    skip to top of page
  end
  if head = 1 then begin
    print column 15,"SYSTEM TITLES AND BDP DEFICIENCIES",
          column 87,"PROCUREMENT/RDTE SCHEDULE"
    print column 67,
        " ---------------------------------------------------------------- "
    print column 67,
        "|  PDIP | 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01|PRI/BDP|"
    print column 67,
        "|-------|------ ----------------------------------------|-------|"
    let head = 0
  end
  print column 67,"|",column 75,"|",column 124,"|",column 132,"|"
  print 9 spaces,"*****  ",acq_type clipped,"  *****",
        column 67,"|",column 75,"|",column 124,"|",column 132,"|"
  print column 67,"|",column 75,"|",column 124,"|",column 132,"|"
  let cnt = cnt+2

after group of ssn_acq_code
  print column 67,"|",column 75,"|",column 124,"|",column 132,"|"

end
```

```
{ 6/17/86. PDIP report. Links unique workpackages to systems that are
  sorted by bdp priority.
  7/10/86. changed name to pdipcomda.
  7/11/86. added classification parameter.
  7/15/86. changed report header to new name.}

database mamp end

define
  variable lcnt     type integer
  variable cnt      type integer
  variable head     type integer
  variable cont     type integer
  variable break    type integer
  variable obreak   type integer
  variable pno      type integer
  variable tot      type float

  variable pf1      type long
  variable pf2      type long
  variable pf3      type long
  variable pf4      type long
  variable pf5      type long
  variable pf6      type long
  variable pf7      type long

  variable rf1      type long
  variable rf2      type long
  variable rf3      type long
  variable rf4      type long
  variable rf5      type long
  variable rf6      type long
  variable rf7      type long

  param[1] pletter type character length 1
  param[2] code    type integer
  param[3] name    type character length 12
  param[4] class   type character length 1
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "pdipcomda.out"
end

read into b
  scl_ssn
  where scl_name = name and scl_code = code
end

read into a
```

```
    b
    ssn_amc_mgr ssn_acq_code ssn_com_line ssn_tradoc_ma ssn_da_ma
    com_acq_strat
    bctc = 1
    where ssn_acq_code < 3
    joining b.scl_ssn = optional ssn_ssn
        and ssn_com_line = optional com_com_line
end

read into d
    b
    ssn_amc_mgr ssn_acq_code ssn_com_line ssn_tradoc_ma ssn_da_ma
    com_acq_strat
    bctc = 0
    where ssn_acq_code > 2
    joining b.scl_ssn = optional ssn_ssn
        and ssn_com_line = optional com_com_line
end

assign c = a union d end

read into a
    c
    ssndroll
    prior1_score
    joining c.scl_ssn = optional prior1_ssn_no
        and c.scl_ssn = optional ssnd_ssn
end

read into b
    a
    hipri_title hipri_pdip hipri_pri hipri_ok
    lrrdp_procf2 lrrdp_procf3 lrrdp_procf4 lrrdp_procf5
    lrrdp_procf6 lrrdp_procf7 lrrdp_procf8
    joining a.scl_ssn = optional hipri_ssn
      and hipri_sys_idx = optional lrrdp_sys_idx
end

read into d
    pcl_idx
    where pcl_code = code and pcl_name = name and pcl_cat = "6.3"
       and pcl_subcat <> "6.5"
end

read into e
    d
    wkpkg_wkpsys_idx wkpkg_pdip wkpkg_title
    wkpfr_f0 wkpfr_f1 wkpfr_f2 wkpfr_f3 wkpfr_f4 wkpfr_f5 wkpfr_f6 wkpfr_f7
    wkpfr_u0 wkpfr_u1 wkpfr_u2 wkpfr_u3 wkpfr_u4 wkpfr_u5 wkpfr_u6 wkpfr_u7
    joining d.pcl_idx = wkpkg_proj_idx
        and wkpkg_no_idx = optional wkpfr_wkpkg_idx
end

read into c
    b
    e
```

```
  uniwkp_srf
  joining b.scl_ssn = optional uniwkp_ssn
      and uniwkp_wkpkg_idx = optional e.wkpkg_wkpsys_idx
end

sort by ssn_com_line
        bctc descending
        prior1_score descending
        hipri_ok descending
        hipri_pri
        scl_ssn
        wkpkg_proj
        wkpkg_no
        end

format

page header
  if class = "U" then print column 47,"*****  U N C L A S S I F I E D  *****"
  else print column 47,"*****  C O N F I D E N T I A L  *****"
  skip 2 lines
  print column 44;
  if ssn_com_line <> " " then print ssn_com_line clipped;
                         else print "__________";
  print " PDIP COMMODITY DECISION AID FOR ",name clipped
  print column 48,"WITH CUMULATIVE TOTALS (RTDE/PROC)";
  if cont = 1 then print "   (continued)" else print ""
  let cont = 0
  skip 2 lines
  let head = 1
  let lcnt = 0

page trailer
  print "Legend:";
  if class = "U" then print column 47,"*****  U N C L A S S I F I E D  *****"
  else print column 47,"*****  C O N F I D E N T I A L  *****"
  print "^ - LRRDAP Priority",column 100,date,2 spaces,time
  print "+ - BDP Rating Score";
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of ssn_com_line
  let pf1 = 0
  let pf2 = 0
  let pf3 = 0
  let pf4 = 0
  let pf5 = 0
  let pf6 = 0
  let pf7 = 0
  let rf1 = 0
  let rf2 = 0
  let rf3 = 0
  let rf4 = 0
  let rf5 = 0
  let rf6 = 0
```

```
  let rf7 = 0
  skip to top of page
  print "Acquisition Strategy: ";
  let break = 110
  while com_acq_strat[break,break]<>" " do let break = break-1
  print com_acq_strat[1,break]
  let obreak = break+1
  let break = break+125
  while com_acq_strat[break,break]<>" " do let break = break-1
  print 7 spaces,com_acq_strat[obreak,break]
  let obreak = break+1
  let break = break+125
  while com_acq_strat[break,break]<>" " do let break = break-1
  print 7 spaces,com_acq_strat[obreak,break]
  let obreak = break+1
  let break = break+125
  while com_acq_strat[break,break]<>" " do let break = break-1
  print 7 spaces,com_acq_strat[obreak,break]
  let obreak = break+1
  let break = break+125
  if break>600 then let break = 600
  while com_acq_strat[break,break]<>" " do let break = break-1
  print 7 spaces,com_acq_strat[obreak,break]
  skip 1 lines
  let lcnt = lcnt + 7

after group of ssn_com_line
  print "|",column 9,"|",column 71,"|",column 79,"|",column 132,"|"
  print " ---------------------------------------------------------------",
    "-------------------------------------------------------------------- ";

before group of scl_ssn
  let cnt = 0
  if lcnt > 42 then begin
    let cont = 1
    print "|",column 9,"|",column 71,"|",column 79,"|",column 132,"|"
    print " ---------------------------------------------------------------",
      "-------------------------------------------------------------------- ";
    skip to top of page
  end
  if head = 1 then begin
    print " ---------------------------------------------------------------",
          "-------------------------------------------------------------------- "
    print "|  SSN  |",6 spaces,"TITLE",column 58,"DA/TDC MA",
       column 71,"|  PDIP |",
       "    87     88     89     90     91     92     93    |"
    print "|-------|-------------------------------------------------------",
       "-------------------------------------------------------------------|"
    let lcnt = lcnt + 3
    let head = 0
  end
  print "|",column 9,"|",column 71,"|",column 79,"|",column 132,"|"
  print "| ",scl_ssn,column 9,"|",1 spaces,hipri_title[1,40],6 space,
        ssn_da_ma," / ",ssn_tradoc_ma,column 71,"|",hipri_pdip[1,4],"-",
        hipri_pdip[5,6],"|",column 81;
  let pf1 = pf1 + lrrdp_procf2
```

```
  let pf2 = pf2 + lrrdp_procf3
  let pf3 = pf3 + lrrdp_procf4
  let pf4 = pf4 + lrrdp_procf5
  let pf5 = pf5 + lrrdp_procf6
  let pf6 = pf6 + lrrdp_procf7
  let pf7 = pf7 + lrrdp_procf8
  let tot = lrrdp_procf2 + lrrdp_procf3 + lrrdp_procf4 + lrrdp_procf5 +
            lrrdp_procf6 + lrrdp_procf7 + lrrdp_procf8
  if tot = 0 then print column 90,"(Procurement Funds Not Scheduled)";
  else begin
    if lrrdp_procf2>0 then print lrrdp_procf2 using "###### ";
      else print "       ";
    if lrrdp_procf3>0 then print lrrdp_procf3 using "###### ";
      else print "       ";
    if lrrdp_procf4>0 then print lrrdp_procf4 using "###### ";
      else print "       ";
    if lrrdp_procf5>0 then print lrrdp_procf5 using "###### ";
      else print "       ";
    if lrrdp_procf6>0 then print lrrdp_procf6 using "###### ";
      else print "       ";
    if lrrdp_procf7>0 then print lrrdp_procf7 using "###### ";
      else print "       ";
    if lrrdp_procf8>0 then print lrrdp_procf8 using "###### ";
      else print "       ";
  end
  print column 132,"|"
  if bctc = 1 then begin
    if class = "C" then print "|~",hipri_pri using "##### ","|";
    else print "|       |";
  end
  else print "|+",prior1_score using "##### ","|";
  if ssnd_def1>0 then print ssnd_def1 using " ####","-",ssnd_con1;
  if ssnd_def2>0 then print ssnd_def2 using " ####","-",ssnd_con2;
  if ssnd_def3>0 then print ssnd_def3 using " ####","-",ssnd_con3;
  if ssnd_def4>0 then print ssnd_def4 using " ####","-",ssnd_con4;
  if ssnd_def5>0 then print ssnd_def5 using " ####","-",ssnd_con5;
  if ssnd_def6>0 then print ssnd_def6 using " ####","-",ssnd_con6;
  if ssnd_def7>0 then print ssnd_def7 using " ####","-",ssnd_con7;
  print column 71,"|",column 79,"|",column 132,"|"
  let lcnt = lcnt + 3

before group of wkpkg_no
  if wkpkg_pe <>  " " then begin
    if lcnt > 45 then begin
      let cont = 1
      print "|",column 9,"|",column 71,"|",column 79,"|",column 132,"|"
      print " ---------------- ---------------- ---------------------------",
        "-------------------------------- ----- ---------------------------- ";
      skip to top of page
    end
    if head = 1 then begin
      print " ------------------------------------------------------------------",
            "------ ------------------------------------------------------------ "
      print "|  SSN  |",6 spaces,"TITLE",column 58,"DA/TDC MA",
         column 71,"|  PDIP |",
         "    87     88     89     90     91     92     93    |"
```

```
      print "|-------|--- ----------------------------------------------------",
         "-------------------------------------------------------------|"
      let lcnt = lcnt + 3
      let head = 0
    end
    let cnt = cnt + 1
    let rf1 = rf1 + wkpfr_f1
    let rf2 = rf2 + wkpfr_f2
    let rf3 = rf3 + wkpfr_f3
    let rf4 = rf4 + wkpfr_f4
    let rf5 = rf5 + wkpfr_f5
    let rf6 = rf6 + wkpfr_f6
    let rf7 = rf7 + wkpfr_f7
    print "|",column 9,"|",1 spaces,cnt,".",2 spaces,wkpkg_pe,
        2 spaces,wkpkg_proj,2 spaces,wkpkg_task clipped, 2 spaces,
        wkpkg_no clipped,2 spaces,wkpkg_cmd clipped,"  Crit:",
        uniwkp_srf using " ##",column 71,"|",column 79,"| ";
    if wkpfr_f1>0 then print wkpfr_f1 using "###### "; else print "        ";
    if wkpfr_f2>0 then print wkpfr_f2 using "###### "; else print "        ";
    if wkpfr_f3>0 then print wkpfr_f3 using "###### "; else print "        ";
    if wkpfr_f4>0 then print wkpfr_f4 using "###### "; else print "        ";
    if wkpfr_f5>0 then print wkpfr_f5 using "###### "; else print "        ";
    if wkpfr_f6>0 then print wkpfr_f6 using "###### "; else print "        ";
    if wkpfr_f7>0 then print wkpfr_f7 using "###### "; else print "        ";
    print column 132,"|"
    print "|",column 9,"|",10 spaces,wkpkg_title[1,50],column 71,"|",
          wkpkg_pdip[1,4],"-",wkpkg_pdip[5,6],"| ";
    if wkpfr_u1>0 then print -wkpfr_u1 using "(((((#)"; else print "        ";
    if wkpfr_u2>0 then print -wkpfr_u2 using "(((((#)"; else print "        ";
    if wkpfr_u3>0 then print -wkpfr_u3 using "(((((#)"; else print "        ";
    if wkpfr_u4>0 then print -wkpfr_u4 using "(((((#)"; else print "        ";
    if wkpfr_u5>0 then print -wkpfr_u5 using "(((((#)"; else print "        ";
    if wkpfr_u6>0 then print -wkpfr_u6 using "(((((#)"; else print "        ";
    if wkpfr_u7>0 then print -wkpfr_u7 using "(((((#)"; else print "        ";
    print column 132,"|"
    let lcnt = lcnt + 2
  end

after group of scl_ssn
  if lcnt > 44 then begin
    let cont = 1
    print "|",column 9,"|",column 71,"|",column 79,"|",column 132,"|"
    print " ---------------- ------------------------------------------------",
      "------------------------ ------------------------------------------ ";
    skip to top of page
  end
  if head = 1 then begin
    print " ------------------------------------------------------------------",
          "------------------------------------------------------------------ "
    print "|  SSN  |",6 spaces,"TITLE",column 58,"DA/TDC MA",
       column 71,"|  PDIP |",
       "    87     88     89     90     91     92     93    |"
    print "|-------|-------------------------------------------------------",
       "-------------------------------------------------------------|"
    let lcnt = lcnt + 3
    let head = 0
```

```
  end
  print "¦",column 9,"¦",column 71,"¦",column 79,"¦",column 132,"¦"
  print "¦",column 9,"¦",21 spaces,"Cumulative Totals: ",
      column 50,"Procurement Funded: ",column 71,"¦",column 79,"¦ ",
      pf1 using "###### ",pf2 using "###### ",pf3 using "###### ",
      pf4 using "###### ",pf5 using "###### ",pf6 using "###### ",
      pf7 using "###### ",column 132,"¦"
  print "¦",column 9,"¦",column 57,"RDTE Funded: ",column 71,"¦",
      column 79,"¦ ",
      rf1 using "###### ",rf2 using "###### ",rf3 using "###### ",
      rf4 using "###### ",rf5 using "###### ",rf6 using "###### ",
      rf7 using "###### ",column 132,"¦"
  let lcnt = lcnt + 3

end
```

```
{ Pdip to system cross reference report.  Moved to the mamp database on 5/2/86.
  6/11/86 changed header info somewhat.
  6/13/86 revised pdip format, added titles and priorities. }

database mamp end

define
  param[1] pletter type character length 1
  param[2] code    type integer
  param[3] name    type character length 12
  variable pno     type integer
  variable st      type integer
  variable ll      type integer
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "pdipsys.out"
end

read into a
  scl_ssn
  where scl_code = code and scl_name = name
end

read into b
  a
  ssn_amc_mgr ssn_da_ma ssn_tradoc_ma ssn_tradoc_pro
  lrrdp_title lrrdp_pdip
  joining a.scl_ssn = optional ssn_ssn
      and a.scl_ssn = optional lrrdp_ssn
end

read into c
  b
  lrrdppri_pri
  lrrdppri_title lrrdppri_tradoc_pro lrrdppri_tradoc_ma lrrdppri_da_ma
  joining b.lrrdp_pdip = optional lrrdppri_pdip
end

sort by lrrdp_pdip[1,4] lrrdp_pdip[5,6] scl_ssn end

format

before group of lrrdp_pdip[1,4]
  if ll<5 then skip to top of page
  skip 2 lines
  if lrrdp_pdip[1,4]=" " then print "____";
  else print lrrdp_pdip[1,4];
  if lrrdppri_da_ma=" " then print 32 spaces,"___";
  else print 32 spaces,lrrdppri_da_ma;
```

```
  if lrrdppri_tradoc_ma=" " then print 5 spaces,"___";
  else print 5 spaces,lrrdppri_tradoc_ma;
  if lrrdppri_tradoc_pro=" " then print 3 spaces,"___";
  else print 3 spaces,lrrdppri_tradoc_pro;
  if lrrdppri_title=" " then print 9 spaces,"____________________"
  else print 9 spaces,lrrdppri_title
  let ll = ll-3

before group of lrrdp_pdip[5,6]
  if ll<2 then skip to top of page
  if lrrdp_pdip[5,6]="  " then print 8 spaces,"__";
  else print 8 spaces,lrrdp_pdip[5,6];
  if lrrdppri_pri = 0.0 then print 4 spaces,"Not Available"
  else print 4 spaces,lrrdppri_pri using "#####.##"
  let ll = ll-1

before group of scl_ssn
  print 26 spaces,scl_ssn,4 spaces,ssn_da_ma,5 spaces,ssn_tradoc_ma,"    ",
        ssn_tradoc_pro,4 spaces,lrrdp_title[1,30],4 spaces,ssn_amc_mgr
  let ll = ll-1

page header
  print column 47,"******  C O N F I D E N T I A L  ******"
  skip 2 lines
  print column 49,"PDIP TO ",name clipped," SYSTEM CROSS REFERENCE"
  skip 2 lines
  print "PDIP",3 spaces,"INCR",3 spaces,"PRIORITY",5 spaces,
        "SSN",5 spaces,"DA MA",3 spaces,"TDC MA/PROP",16 spaces,
        "PDIP/SYSTEM TITLE",24 spaces,"COMMAND",11 spaces
  skip 1 line
  let ll = 47
  let st = 1

page trailer
  skip 2 lines
  print column 47,"******  C O N F I D E N T I A L  ******"
  print column 100,date,2 spaces,time
  if pletter="Z" then print 60 spaces,pno
  else print 60 spaces,pletter,"-",pno using "###"
  let pno = pno+1

end
```

```
{ POM 89 REPORT OF PDIPS WITH CUMULATIVE RDTE FUNDING SHOWN.

  6/23/86.  taken from laura's pdipwkp report.  This differs in that it works
            with the projected pom89 pdip alignments and priorities.
  6/24/86.  changed pom 89 pdip structure.  added pdip parameter.
  7/10/86.  changed the pom89ssn file structure.
  7/15/86.  changed uniwkp_wc to uniwkp_srf.}

database mamp end

define
  variable lcnt     type integer
  variable cnt      type integer
  variable head     type integer
  variable cont     type integer
  variable break    type integer
  variable obreak   type integer
  variable pno      type integer
  variable tot      type float

  variable pf1      type long
  variable pf2      type long
  variable pf3      type long
  variable pf4      type long
  variable pf5      type long
  variable pf6      type long
  variable pf7      type long

  variable rf1      type long
  variable rf2      type long
  variable rf3      type long
  variable rf4      type long
  variable rf5      type long
  variable rf6      type long
  variable rf7      type long

  param[1] pletter type character length 1
  param[2] code    type integer
  param[3] name    type character length 12
  param[4] pdip    type character length 6
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "pom89cum.out"
end

read into b
  scl_ssn
  pom89ssn_sys_idx pom89ssn_seq pom89ssn_pdip
  where scl_name = name and scl_code = code and pom89ssn_pdip matches pdip
```

```
  joining scl_ssn = pom89ssn_ssn
end

read into a
  b
  ssn_amc_mgr ssn_acq_code ssn_tradoc_ma ssn_da_ma
  ssndroll
  joining b.scl_ssn = ssn_ssn
      and b.scl_ssn = ssnd_ssn
end

read into b
  a
  pom89
  lrrdp_title lrrdp_procf2 lrrdp_procf3 lrrdp_procf4 lrrdp_procf5
  lrrdp_procf6 lrrdp_procf7 lrrdp_procf8
  joining a.pom89ssn_pdip = optional pom89_pdip
      and a.pom89ssn_sys_idx = optional lrrdp_sys_idx
end

read into d
  pcl_idx
  where pcl_code = code and pcl_name = name and pcl_cat = "6.3"
    and pcl_subcat <> "6.5"
end

read into e
  d
  wkpkg_wkpsys_idx wkpkg_title
  wkpfr_f0 wkpfr_f1 wkpfr_f2 wkpfr_f3 wkpfr_f4 wkpfr_f5 wkpfr_f6 wkpfr_f7
  wkpfr_u0 wkpfr_u1 wkpfr_u2 wkpfr_u3 wkpfr_u4 wkpfr_u5 wkpfr_u6 wkpfr_u7
  joining d.pcl_idx = wkpkg_proj_idx
     and wkpkg_no_idx = optional wkpfr_wkpkg_idx
end

read into c
  b
  e
  uniwkp_srf uniwkp_seq uniwkp_pom89
  joining b.pom89ssn_sys_idx = optional uniwkp_sys_idx
       and uniwkp_wkpkg_idx = optional e.wkpkg_wkpsys_idx
end

sort by pom89ssn_pdip
        pom89ssn_seq
        scl_ssn
        uniwkp_seq
        wkpkg_no
        end

format

page header
  print column 47,"*****  C O N F I D E N T I A L  *****"
  skip 2 lines
  print column 49,pom89_title;
```

```
  print 4 spaces,"(",pom89ssn_pdip[1,4],"-",pom89ssn_pdip[5,6],")"
  print column 47,"POM 89 PDIP-INCREMENT BREAKOUT FOR ",name clipped
  print column 49,"WITH CUMULATIVE TOTALS (RTDE/PROC)";
  if cont = 1 then print "    (continued)" else print ""
  let cont = 0
  skip 2 lines
  let head = 1
  let lcnt = 0

page trailer
  print column 47,"*****  C O N F I D E N T I A L  *****"
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno
  using "###" let pno = pno+1

before group of pom89ssn_pdip
  let pf1 = 0
  let pf2 = 0
  let pf3 = 0
  let pf4 = 0
  let pf5 = 0
  let pf6 = 0
  let pf7 = 0
  let rf1 = 0
  let rf2 = 0
  let rf3 = 0
  let rf4 = 0
  let rf5 = 0
  let rf6 = 0
  let rf7 = 0
  skip to top of page
  print "Acquisition Strategy: ";
  let break = 110
  while pom89_strat[break,break]<>" " do let break = break-1
  print pom89_strat[1,break]
  let obreak = break+1
  let break = break+125
  while pom89_strat[break,break]<>" " do let break = break-1
  print 7 spaces,pom89_strat[obreak,break]
  let obreak = break+1
  let break = break+125
  while pom89_strat[break,break]<>" " do let break = break-1
  print 7 spaces,pom89_strat[obreak,break]
  let obreak = break+1
  let break = break+125
  while pom89_strat[break,break]<>" " do let break = break-1
  print 7 spaces,pom89_strat[obreak,break]
  let obreak = break+1
  let break = break+125
  if break>600 then let break = 600
  while pom89_strat[break,break]<>" " do let break = break-1
  print 7 spaces,pom89_strat[obreak,break]
  skip 1 lines
  let lcnt = lcnt + 7
```

```
after group of pom89ssn_pdip
  print "|",column 9,"|",column 71,"|",column 79,"|",column 132,"|"
  print " ------------------------------------------------------------",
    "------------------------------------------------------------------ "

before group of scl_ssn
  let cnt = 0
  if lcnt > 42 then begin
    let cont = 1
    print "|",column 9,"|",column 71,"|",column 79,"|",column 132,"|"
    print " ------------------------------------------------------------",
      "------------------------------------------------------------------ "
    skip to top of page
  end
  if head = 1 then begin
    print " ------------------------------------------------------------",
          "------------------------------------------------------------------ "
    print "|  SSN  |",6 spaces,"TITLE",column 58,"DA/TDC MA",
       column 71,"|  PDIP |",
       "    87     88     89     90     91     92     93    |"
    print "|-------|-------------------------------------------------------",
       "-------------------------------------------------------------------|"
    let lcnt = lcnt + 3
    let head = 0
  end
  print "|",column 9,"|",column 71,"|",column 79,"|",column 132,"|"
  print "| ",scl_ssn,cclumn 9,"|",1 spaces,lrrdp_title[1,40],6 space,
        ssn_da_ma," / ",ssn_tradoc_ma,column 71,"|",pom89ssn_pdip[1,4],"-",
        pom89ssn_pdip[5,6],"|",column 81;
  let pf1 = pf1 + lrrdp_procf2
  let pf2 = pf2 + lrrdp_procf3
  let pf3 = pf3 + lrrdp_procf4
  let pf4 = pf4 + lrrdp_procf5
  let pf5 = pf5 + lrrdp_procf6
  let pf6 = pf6 + lrrdp_procf7
  let pf7 = pf7 + lrrdp_procf8
  let tot = lrrdp_procf2 + lrrdp_procf3 + lrrdp_procf4 + lrrdp_procf5 +
            lrrdp_procf6 + lrrdp_procf7 + lrrdp_procf8
  if tot = 0 then print column 90,"(Procurement Funds Not Scheduled)";
  else begin
    if lrrdp_procf2>0 then print lrrdp_procf2 using "###### ";
      else print "       ";
    if lrrdp_procf3>0 then print lrrdp_procf3 using "###### ";
      else print "       ";
    if lrrdp_procf4>0 then print lrrdp_procf4 using "###### ";
      else print "       ";
    if lrrdp_procf5>0 then print lrrdp_procf5 using "###### ";
      else print "       ";
    if lrrdp_procf6>0 then print lrrdp_procf6 using "###### ";
      else print "       ";
    if lrrdp_procf7>0 then print lrrdp_procf7 using "###### ";
      else print "       ";
    if lrrdp_procf8>0 then print lrrdp_procf8 using "###### ";
      else print "       ";
  end
  print column 132,"|"
```

```
    print "!",pom89ssn_seq using " ##### ","!";
    if ssnd_def1>0 then print ssnd_def1 using " ####","-",ssnd_con1;
    if ssnd_def2>0 then print ssnd_def2 using " ####","-",ssnd_con2;
    if ssnd_def3>0 then print ssnd_def3 using " ####","-",ssnd_con3;
    if ssnd_def4>0 then print ssnd_def4 using " ####","-",ssnd_con4;
    if ssnd_def5>0 then print ssnd_def5 using " ####","-",ssnd_con5;
    if ssnd_def6>0 then print ssnd_def6 using " ####","-",ssnd_con6;
    if ssnd_def7>0 then print ssnd_def7 using " ####","-",ssnd_con7;
    print column 71,"!",column 79,"!",column 132,"!"
    let lcnt = lcnt + 3

  before group of wkpkg_no
    if wkpkg_pe <>  " " then begin
      if lcnt > 45 then begin
        let cont = 1
        print "!",column 9,"!",column 71,"!",column 79,"!",column 132,"!"
        print " ~~~
```

```
    if wkpfr_u4>0 then print -wkpfr_u4 using "(((((#)"; else print "        ";
    if wkpfr_u5>0 then print -wkpfr_u5 using "(((((#)"; else print "        ";
    if wkpfr_u6>0 then print -wkpfr_u6 using "(((((#)"; else print "        ";
    if wkpfr_u7>0 then print -wkpfr_u7 using "(((((#)"; else print "        ";
    print column 132,"|"
    let lcnt = lcnt + 2
  end

after group of scl_ssn
  if lcnt > 44 then begin
    let cont = 1
    print "|",column 9,"|",column 71,"|",column 79,"|",column 132,"|"
    print " ---------------- ----------------------------------------------",
      "------------ ------------------------------------------------------ "
    skip to top of page
  end
  if head = 1 then begin
    print " ------------------------------------------------------------------",
          "------------------------------------------------------------------ "
    print "|  SSN  |",6 spaces,"TITLE",column 58,"DA/TDC MA",
       column 71,"|  PDIP |",
       "    87     88     89     90     91     92     93    |"
    print "|-------|---------------------- ----------------------------------",
       "------------------------------ ------------------------------|"
    let lcnt = lcnt + 3
    let head = 0
  end
  print "|",column 9,"|",column 71,"|",column 79,"|",column 132,"|"
  print "|",column 9,"|",21 spaces,"Cumulative Totals: ",
      column 50,"Procurement Funded: ",column 71,"|",column 79,"| ",
      pf1 using "###### ",pf2 using "###### ",pf3 using "###### ",
      pf4 using "###### ",pf5 using "###### ",pf6 using "###### ",
      pf7 using "###### ",column 132,"|"
  print "|",column 9,"|",column 57,"RDTE Funded: ",column 71,"|",
      column 79,"| ",
      rf1 using "###### ",rf2 using "###### ",rf3 using "###### ",
      rf4 using "###### ",rf5 using "###### ",rf6 using "###### ",
      rf7 using "###### ",column 132,"|"
  let lcnt = lcnt + 3

end
```

```
{ System Priority Ratings Developer }
{ 4/23/86 changed to mamp database
  5/2/86 added the blank count field. added the unique ssn check. }

database mamp end

define
  variable tot type integer
  variable ndef type integer
  variable na type integer
  variable nb type integer
  variable nc type integer
  variable nd type integer
  variable ne type integer
  variable nx type integer
  variable bl type integer
  variable score  type float
  variable conval type float
  variable defval type float
end

output
  page length 32000
  left margin 0
  right margin 80
  top margin 0
  report to "prior1.out"
end

read
  ssndef_ssn ssndef_def ssndef_cont_value
  joining unissn_ssn = ssndef_ssn
end

sort by ssndef_ssn ssndef_def ssndef_cont_value end

format

before group of ssndef_ssn
  let score = 0.0
  let ndef = 0
  let na = 0
  let nb = 0
  let nc = 0
  let nd = 0
  let ne = 0
  let nx = 0
  let bl = 0

before group of ssndef_def
  if ssndef_def > 0 then begin
    if ssndef_cont_value = "A" then begin
      let na = na+1
      let conval = 16.0  end
    else if ssndef_cont_value = "B" then begin
      let nb = nb+1
```

```
      let conval = 8.0  end
    else if ssndef_cont_value = "C" then begin
      let nc = nc+1
      let conval = 4.0 end
    else if ssndef_cont_value = "D" then begin
      let nd = nd+1
      let conval = 2.0  end
    else if ssndef_cont_value = "E" then begin
      let ne = ne+1
      let conval = 1.0 end
    else if ssndef_cont_value = "F" then begin
      let nx = nx+1
      let conval = 0.0 end
    else begin
      let bl = bl+1
      let conval = 0.0
    end
    if ssndef_def = 1001 then let defval = 30.0
    else let defval = (500.0-ssndef_def)/10.0
    let score = score+defval*conval
    let ndef = ndef+1
  end

after group of ssndef_ssn
  if ndef>0 then begin
    print ssndef_ssn,";",ndef,";",na,";",nb,";",nc,";",nd,
          ";",ne,";",nx,";",bl,";",score,";"
  end

end
```

```
{ Workpackage Priority Ratings Generator }
{ 4/23/86 changed to the mamp data base
  5/2/86  changed the blank workpackage criticality value to zero. added the
          unique ssn check.
  7/10/86 changed the workpackage criticality factor from wkpsys_srf to
          wkpsys_srf in keeping with iitri's usage.}

database mamp end

define
  variable nsys   type integer
  variable hisys  type float
  variable losys  type float
  variable score  type float
  variable conval type float
end

output
  page length 32000
  top margin 0
  left margin 0
  right margin 132
  report to "prior2.out"
end

read into a
  wkpsys_cmd wkpsys_cat wkpsys_wkpkg wkpsys_ssn wkpsys_srf
  prior1_score
  joining unissn_ssn = wkpsys_ssn
      and unissn_ssn = prior1_ssn_no
end

sort by  wkpsys_cmd wkpsys_wkpkg wkpsys_ssn end

format

before group of wkpsys_wkpkg
  let score = 0.0
  let nsys = 0
  let hisys = 0.0
  let losys = 100000.0

before group of wkpsys_ssn
  if wkpsys_ssn <> " " then begin
    if wkpsys_srf = 1 then let conval = 10.0
    else if wkpsys_srf = 2 then let conval = 5.0
    else if wkpsys_srf = 3 then let conval = 2.5
    else if wkpsys_srf = 4 then let conval = 1.25
    else let conval = 0.0
    let score = score+prior1_score*conval
    let nsys = nsys+1
    if prior1_score>hisys then let hisys = prior1_score
    if prior1_score<losys then let losys = prior1_score
  end

after group of wkpsys_wkpkg
```

```
  if nsys=0 then let losys = 0.0
  print wkpsys_cmd,"!",wkpsys_cat,"!",wkpsys_wkpkg,"!",nsys,"!",
        hisys,"!",losys,"!",score,"!"

end
```

```
{ System Priority Ratings Report }
{ Previously computed Ratings stored in Prior1 }
{ this version prints out the unclassified version with just the ratings and
  a generic tabulation of the number of ratings of each category.
  4/23/86 switch to the mamp data base.
  5/5/86 added #blanks to the output.
  5/12/86 added base case systems at the top of the list. }

database mamp end

define
  variable cnt      type integer
  variable pno      type integer
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "priorsys.out"
end

read into b
  scl_ssn
  where scl_code = code and scl_name = name
end

read into c
  b
  ssn_amc_mgr ssn_da_ma
  bc = 0
  where ssn_acq_code > 2 or ssn_acq_code = 0
  joining b.scl_ssn = optional ssn_ssn
end

read into d
  b
  ssn_amc_mgr ssn_da_ma
  bc = 1
  where ssn_acq_code = 1
  joining b.scl_ssn = ssn_ssn
end

assign e = c union d end

read into a
  e
  lrrdp_title
  prior1
  joining e.scl_ssn = optional prior1_ssn_no
```

```
      and e.scl_ssn = optional lrrdp_ssn
end

sort by  bc descending prior1_score descending  prior1_ndef descending
         scl_ssn  end

format

page header
  print column 47,"***** U N C L A S S I F I E D *****"
  skip 2 lines
  print column 46,name clipped," 1-N DEVELOPMENT SYSTEM BDP RANKING"
  skip 2 lines
  print 7 spaces,"SSN",5 spaces,"DA MA",4 spaces,"AMC MGR",15 spaces,
    "TITLE", column 88," #DEF  #A  #B  #C  #D  #E  #X  BL   RATING"
  skip 1 line

page trailer
  skip 2 lines
  print column 47,"***** U N C L A S S I F I E D *****"
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of scl_ssn
  let cnt = cnt+1
  print cnt using "####. ",scl_ssn,4 spaces,ssn_da_ma,
        5 spaces,ssn_amc_mgr,column 30,lrrdp_title[1,30],2 spaces,
        prior1_ndef using "####",prior1_na using "####",prior1_nb using "####",
        prior1_nc using "####",prior1_nd using "####",
        prior1_ne using "####",prior1_nx using "####",prior1_bl using "####";
  if bc = 1 then print "  base case"
  else print prior1_score using "######.##"

end
```

```
{ Tech Base Workpackage Priority Ratings Report }
{ Previously Computed Priorities from Prior1 and Prior2.
  5/21/86 taken from priorwp
          this report allows only 6.1, 6.2, and 6.3A workpackages.
          workpackages are selected which are linked in any way to systems
          in the ssncontrol file. }

database mamp end

define
  variable cnt      type integer
  variable pno      type integer
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "priortb.out"
end

read into b
  scl_ssn
  where scl_code = code and scl_name = name
end

read into a
  wkpkg_cmd wkpkg_pe wkpkg_proj wkpkg_task wkpkg_no wkpkg_title
  prior2_score prior2_nsys
  where (wkpkg_subcat="6.1" or wkpkg_subcat="6.2" or wkpkg_subcat="6.3A")
  joining b.scl_ssn = wkpsys_ssn
      and wkpsys_wkpkg_idx = wkpkg_wkpsys_idx
      and wkpkg_no_idx = optional prior2_wkpkg_idx
end

sort by  prior2_score descending prior2_nsys descending
         wkpkg_pe wkpkg_proj wkpkg_task wkpkg_no end

format

page header
  print column 47,"***** U N C L A S S I F I E D *****"
  skip 2 lines
  print column 49,"BDP TECH BASE WORKPACKAGE RANKINGS"
  print column 49,"            FOR ",name
  skip 2 lines
  print 6 spaces,"PE    PROJ TASK      NO",18 spaces,"TITLE",45 spaces,
        "COMMAND",10 spaces,"RATING  # SYS   "
  skip 1 line
```

```
page trailer
  skip 2 lines
  print column 47,"***** U N C L A S S I F I E D *****"
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

after group of wkpkg_no
  let cnt = cnt+1
  print cnt using "####. ",wkpkg_pe,1 space,wkpkg_proj,1 space,wkpkg_task,
      1 space,wkpkg_no,3 spaces,wkpkg_title,wkpkg_cmd,prior2_score,
      1 space,prior2_nsys

end
```

```
{ Workpackage Priority Ratings Report }
{ Previously Computed Priorities from Prior1 and Prior2.
  4/23/86 changed to mamp data base.
  5/12/86 limited to 6.3, 6.4, and 6.7 workpackages. }

database mamp end

define
  variable cnt      type integer
  variable pno      type integer
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "priorwp.out"
end

read into b
  pcl_idx
  where pcl_code = code and pcl_name = name
    and (pcl_subcat = "6.3A" or pcl_subcat = "6.3B" or pcl_subcat = "6.4"
         or pcl_subcat = "6.7")
end

read into a
  wkpkg_cmd wkpkg_pe wkpkg_proj wkpkg_task wkpkg_no wkpkg_title
  prior2_score prior2_nsys
  joining b.pcl_idx = wkpkg_proj_idx
      and wkpkg_no_idx = optional prior2_wkpkg_idx
end

sort by  prior2_score descending prior2_nsys descending
         wkpkg_pe wkpkg_proj wkpkg_task wkpkg_no end

format

page header
  print column 47,"***** U N C L A S S I F I E D *****"
  skip 2 lines
  print column 49,name clipped," 1-N WORKPACKAGE BDP RANKINGS"
  skip 2 lines
  print 6 spaces,"PE    PROJ TASK      NO",18 spaces,"TITLE",45 spaces,
        "COMMAND",10 spaces,"RATING  # SYS   "
  skip 1 line

page trailer
  skip 2 lines
  print column 47,"***** U N C L A S S I F I E D *****"
```

```
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

after group of wkpkg_no
  let cnt = cnt+1
  print cnt using "####. ",wkpkg_pe,1 space,wkpkg_proj,1 space,wkpkg_task,
      1 space,wkpkg_no,3 spaces,wkpkg_title,wkpkg_cmd,prior2_score,
      1 space,prior2_nsys

end
```

```
{ BDP priority system decision aid.  Shows systems in BDP priority, base case
  first, and shows uniquely linked workpackages, with cumulative rdte funding
  after each system with rdte linked. }

database mamp end

define
  variable lcnt     type integer
  variable cnt      type integer
  variable head     type integer
  variable break    type integer
  variable obreak   type integer
  variable pno      type integer
  variable tot      type float

  variable f1      type long
  variable f2      type long
  variable f3      type long
  variable f4      type long
  variable f5      type long
  variable f6      type long
  variable f7      type long

  variable u1      type long
  variable u2      type long
  variable u3      type long
  variable u4      type long
  variable u5      type long
  variable u6      type long
  variable u7      type long

  param[1] pletter type character length 1
  param[2] code    type integer
  param[3] name    type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "prisysda2.out"
end

read into b
  scl_ssn
  where scl_name = name and scl_code = code
end

read into a
  b
  ssn_amc_mgr ssn_tradoc_ma ssn_da_ma
  bc = 1
  where ssn_acq_code = 1
```

```
  joining b.scl_ssn = ssn_ssn
end

read into d
  b
  ssn_amc_mgr ssn_tradoc_ma ssn_da_ma
  bc = 0
  where ssn_acq_code > 2
  joining b.scl_ssn = ssn_ssn
end

assign c = a union d end

read into a
  c
  prior1_score
  hipri_title
  joining c.scl_ssn = optional prior1_ssn_no
      and c.scl_ssn = optional hipri_ssn
end

read into d
  pcl_idx
  where pcl_code = code and pcl_name = name
end

read into e
  d
  wkpkg_wkpsys_idx wkpkg_title
  wkpfr_f1 wkpfr_f2 wkpfr_f3 wkpfr_f4 wkpfr_f5 wkpfr_f6 wkpfr_f7
  wkpfr_u1 wkpfr_u2 wkpfr_u3 wkpfr_u4 wkpfr_u5 wkpfr_u6 wkpfr_u7
  joining d.pcl_idx = wkpkg_proj_idx
      and wkpkg_no_idx = optional wkpfr_wkpkg_idx
end

read into c
  a
  e
  uniwkp_srf
  joining a.scl_ssn = optional uniwkp_ssn
      and uniwkp_wkpkg_idx = optional e.wkpkg_wkpsys_idx
end

sort by bc descending
        prior1_score descending
        scl_ssn
        wkpkg_proj
        wkpkg_no
        end

format

page header
  print column 47,"*****  U N C L A S S I F I E D  *****"
  skip 2 lines
  print column 46,"BDP SYSTEM RANKING DECISION AID FOR ",name clipped
```

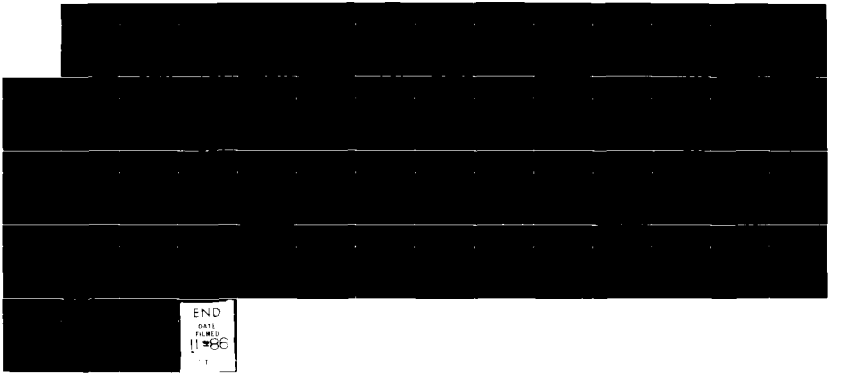
```
  print column 50,"WITH CUMULATIVE TOTALS (RTDE)"
  skip 2 lines
  let head = 1
  let lcnt = 0

page trailer
  print column 47,"*****  U N C L A S S I F I E D  *****"
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

on last record
  print "!",column 9,"!",column 71,"!",column 79,"!",column 132,"!"
  print " ---------------- ------- ------------------------------------",
    "---------- ------------- ------ ---------------------------------- ";

before group of scl_ssn
  let cnt = 0
  if lcnt > 42 then begin
    print "!",column 9,"!",column 71,"!",column 79,"!",column 132,"!"
    print " ------- ------- ------------------------------------------------",
      "-- ------------------------ -------- ------------------------------------ ";
    skip to top of page
  end
  if head = 1 then begin
    print " ------------------------------------------------------------------",
          "-------- ------------------------------------------------------ "
    print "!  SSN  !",6 spaces,"TITLE",column 58,"DA/TDC MA",
       column 71,"!  BDP  !",
       "    87     88     89     90     91     92     93    !"
    print "!-------!---------------- ----------------------------------------",
       "-----------------!----------!----------!----------!----------!----------!"
    let lcnt = lcnt + 3
    let head = 0
  end
  print "!",column 9,"!",column 71,"!",column 79,"!",column 132,"!"
  print "! ",scl_ssn,"! ",hipri_title[1,45],2 spaces,ssn_da_ma," / ",
        ssn_tradoc_ma,column 71,"!",priori_score using " ##### ","!",
        column 132,"!"
  let lcnt = lcnt + 2

before group of wkpkg_no
  if wkpkg_pe <>  " " then begin
    if lcnt > 45 then begin
      print "!",column 9,"!",column 71,"!",column 79,"!",column 132,"!"
      print " ----- ----- ------------------------------------------------",
        "---------- ------------------------ -------- ------------------------------------ ";
      skip to top of page
    end
    if head = 1 then begin
      print " ------------------------------------------------------------------",
        "-------- ------------------------------------------------------ "
      print "!  SSN  !",6 spaces,"TITLE",column 58,"DA/TDC MA",
         column 71,"!  BDP  !",
         "    87     88     89     90     91     92     93    !"
```

```
      print "|-------|-------------------------------------------------------",
        "-------------------------------------------------------------------|"
      let lcnt = lcnt + 3
      let head = 0
    end
    let cnt = cnt + 1
    let f1 = f1 + wkpfr_f1
    let f2 = f2 + wkpfr_f2
    let f3 = f3 + wkpfr_f3
    let f4 = f4 + wkpfr_f4
    let f5 = f5 + wkpfr_f5
    let f6 = f6 + wkpfr_f6
    let f7 = f7 + wkpfr_f7
    let u1 = u1 + wkpfr_u1
    let u2 = u2 + wkpfr_u2
    let u3 = u3 + wkpfr_u3
    let u4 = u4 + wkpfr_u4
    let u5 = u5 + wkpfr_u5
    let u6 = u6 + wkpfr_u6
    let u7 = u7 + wkpfr_u7
    print "|",column 9,"|",1 spaces,cnt,".",2 spaces,wkpkg_pe,
        2 spaces,wkpkg_proj,2 spaces,wkpkg_task clipped, 2 spaces,
        wkpkg_no clipped,2 spaces,wkpkg_cmd clipped,column 58,"Crit:",
        uniwkp_srf using " #",column 71,"|",column 79,"| ";
    if wkpfr_f1>0 then print wkpfr_f1 using "###### "; else print "       ";
    if wkpfr_f2>0 then print wkpfr_f2 using "###### "; else print "       ";
    if wkpfr_f3>0 then print wkpfr_f3 using "###### "; else print "       ";
    if wkpfr_f4>0 then print wkpfr_f4 using "###### "; else print "       ";
    if wkpfr_f5>0 then print wkpfr_f5 using "###### "; else print "       ";
    if wkpfr_f6>0 then print wkpfr_f6 using "###### "; else print "       ";
    if wkpfr_f7>0 then print wkpfr_f7 using "###### "; else print "       ";
    print column 132,"|"
    print "|",column 9,"|",10 spaces,wkpkg_title[1,50],column 71,"|",
          column 79,"|";
    if wkpfr_u1>0 then print -wkpfr_u1 using "(((((#)"; else print "       ";
    if wkpfr_u2>0 then print -wkpfr_u2 using "(((((#)"; else print "       ";
    if wkpfr_u3>0 then print -wkpfr_u3 using "(((((#)"; else print "       ";
    if wkpfr_u4>0 then print -wkpfr_u4 using "(((((#)"; else print "       ";
    if wkpfr_u5>0 then print -wkpfr_u5 using "(((((#)"; else print "       ";
    if wkpfr_u6>0 then print -wkpfr_u6 using "(((((#)"; else print "       ";
    if wkpfr_u7>0 then print -wkpfr_u7 using "(((((#)"; else print "       ";
    print column 132,"|"
    let lcnt = lcnt + 2
  end

after group of scl_ssn
  if cnt > 0 then begin
    if lcnt > 44 then begin
      print "|",column 9,"|",column 71,"|",column 79,"|",column 132,"|"
      print " ------------------------------------------------------------",
        "------------------------------------------------------------------ ";
      skip to top of page
    end
    if head = 1 then begin
      print " ------------------------------------------------------------",
        "------------------------------------------------------------------ "
```

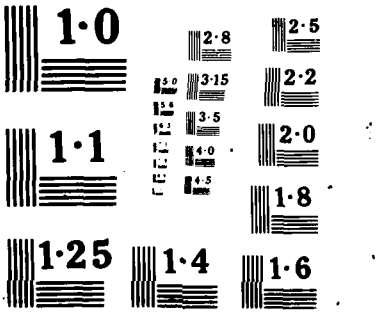
```
      print "|  SSN  |",6 spaces,"TITLE",column 58,"DA/TDC MA",
         column 71,"|  BDP  |",
         "    87     88     89     90     91     92     93    |"
      print "|-------|-------------------------------------------------------",
        "-------------------------------------------------------------------|"
      let lcnt = lcnt + 3
      let head = 0
    end
    print "|",column 9,"|",column 71,"|",column 79,"|",column 132,"|"
    print "|",column 9,"|",21 spaces,"Cumulative Totals: ",
        column 50,"RDTE Funded: ",column 71,"|",column 79,"| ",
        f1 using "###### ",f2 using "###### ",f3 using "###### ",
        f4 using "###### ",f5 using "###### ",f6 using "###### ",
        f7 using "###### ",column 132,"|"
    print "|",column 9,"|",
        column 50,"RDTE Unfunded: ",column 71,"|",column 79,"| ",
        u1 using "###### ",u2 using "###### ",u3 using "###### ",
        u4 using "###### ",u5 using "###### ",u6 using "###### ",
        u7 using "###### ",column 132,"|"
    let lcnt = lcnt + 3
  end

end
```

AD-A172 652 CSS/EMW/SOF (COMBAT SERVICE SUPPORT/ENGINEERING AND MINE WARFARE/SPECIAL..(U) MCLEAN RESEARCH CENTER INC VA G N ROMSTEDT SEP 86 DAAK70-84-D-0052 4/4

UNCLASSIFIED F/G 9/2 NL



END
DATE FILMED
11-86
DTIC


1·0
1·1
1·25
2·8
3·15
3·5
4·0
4·5
2·5
2·2
2·0
1·8
1·4
1·6

```
{ Procurement priorities report for type classified systems.
  4/23/86 changed to mamp data base.
  4/25/86 changed to reflect classification of lrrdp priorities and to add
          parameter to deselect printing of those priorities. }

database mamp end

define
  variable cnt      type integer
  variable pno      type integer
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
  param[4] class    type character length 1
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "procpri.out"
end

read into b
  scl_ssn
  where scl_code = code and scl_name = name
end

read into a
  b
  ssn_amc_msc ssn_da_ma
  where ssn_acq_code = 2
  joining b.scl_ssn = optional ssn_ssn
end

read into c
  a
  lrrdp_title lrrdp_pdip
  lrrdppri_pri
  ok = 1
  joining a.scl_ssn = lrrdp_ssn
      and lrrdp_pdip = lrrdppri_pdip
end

read into b
  a
  lrrdp_title lrrdp_pdip
  lrrdppri_pri
  ok = 0
  where lrrdppri_pri = 0.0
  joining a.scl_ssn = optional lrrdp_ssn
      and lrrdp_pdip = optional lrrdppri_pdip
end
```

```
assign d = c union b end

sort by  ok descending lrrdppri_pri scl_ssn lrrdp_pdip end

format

page header
  if class = "U" then print column 47,"***** U N C L A S S I F I E D *****"
  else print column 47,"***** C O N F I D E N T I A L *****"
  skip 2 lines
  print column 47,"  DA PROCUREMENT PRIORITY FOR ",name
  skip 2 lines
  print 17 spaces,"SSN",5 spaces,"DA MA",4 spaces,"AMC MSC",15 spaces,
    "TITLE", column 98,"  PDIP        PRIORITY"
  skip 1 line

page trailer
  skip 2 lines
  if class = "U" then print column 47,"***** U N C L A S S I F I E D *****"
  else print column 47,"***** C O N F I D E N T I A L *****"
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of lrrdp_pdip
  let cnt = cnt+1
  print 10 spaces,cnt using "####.  ",scl_ssn,4 spaces,ssn_da_ma,
        5 spaces,ssn_amc_msc,2 spaces,lrrdp_title[1,50],2 spaces,
        lrrdp_pdip[1,4],"-",lrrdp_pdip[5,6],2 spaces;
  if class = "C" then begin
    if ok=1 then print lrrdppri_pri else print " not assigned"
  end
  else begin
    if ok=1 then print "" else print " not assigned"
  end

end
```

```
Jun  4 13:25 1986  projects Page 1


{ This report lists the projects in prjctl and checks to see if they are also
  in the proj file. }

database mamp end

output
  report to "projects.out"
  left margin 0
  right margin 132
end

read into b
  prjctl
  proj_title
  joining pcl_idx = optional proj_idx
end

sort by pcl_cmd pcl_pe pcl_proj pcl_name end

format

page header
  print "COMMAND",7 spaces,"PE",5 spaces,"PROJ",2 spaces,"CAT",2 spaces,
        "SUBCAT",2 spaces,"CODE",2 spaces,"NAME",12 spaces,"TITLE"
  skip 2 lines

on every record
  print pcl_cmd,2 spaces,pcl_pe,2 spaces,pcl_proj,2 spaces,pcl_cat,2 spaces,
        pcl_subcat,2 spaces,pcl_code,2 spaces,pcl_name,2 spaces,proj_title

end
```

```
Jun  3 14:31 1986  projindex Page 1


{ Project Index for the proj-wkpkg report. }

database mamp end

{ last modified 2/6/86 to add mission area parameter and date-time stamp.
  3/6/86 to add page letter and page number.
  5/12/86 changed to the mamp data base.}

define
  variable i        type integer
  variable pno      type integer
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "projindex.out"
end

read into a
  proj_idx proj_title
  where pcl_code = code and pcl_name = name
  joining pcl_idx = proj_idx
end

sort by proj_pe proj_no proj_cmd end

format

page header
  print column 47,"******  U N C L A S S I F I E D  ******"
  skip 3 lines
  print column 51,name clipped," FUNDED RDTE PROJECT INDEX"
  skip 3 lines
  print 31 spaces,"PE",5 spaces,"PROJ",13 spaces,"TITLE",
        28 spaces,"COMMAND",8 spaces,"PAGE"
  skip 2 lines

before group of proj_no
  let i = i+1

before group of proj_cmd
  print 30 spaces,proj_pe,3 spaces,proj_no;
  print 3 spaces,proj_title[1,40],3 spaces,proj_cmd,3 spaces,"----"

page trailer
  skip 2 lines
  print column 47,"******  U N C L A S S I F I E D  ******"
  print column 100,date,2 spaces,time
```

```
  if pletter="Z" then print 60 spaces,pno
  else print 60 spaces,pletter,"-",pno using "###"
  let pno = pno+1

end
```

```
{  PROJ - WKPKG summary }

{ last modified 2/6/86 to add mission area parameter and date-time stamp.
  2/7/86. added page letter parameter.
  Also modified 2/26/86 for Exec. Assmt.
  revised 3/5/86 to remove belvoir specifics and to replace peproj in the mamp.
  Modified 5/21/86. changed to mamp database.
  5/27/86 cleaned up a bit.  Added cumulative project funding variables.
  6/2/86 removed mandatory check for being in the system control file.
         now only reports if in the mission area control file.
  6/4/86 added workpackage criticality factor.  Sort output by beginning year.
  6/6/86 added one extra space for the wpk number. removed one space from
         title.
  7/23/86 changed wkpsys_srf to wkpsys_srf in keeping with iitri's usage. }

database mamp end

define
  variable evalcount type integer
  variable pagecount type integer
  variable linecount type integer
  variable pno       type integer
  param[1] pletter   type character length 1
  param[2] code      type integer
  param[3] name      type character length 12

  variable tf0       type long
  variable uf0       type long
  variable tf1       type long
  variable uf1       type long
  variable tf2       type long
  variable uf2       type long
  variable tf3       type long
  variable uf3       type long
  variable tf4       type long
  variable uf4       type long
  variable tf5       type long
  variable uf5       type long
  variable tf6       type long
  variable uf6       type long
  variable tf7       type long
  variable uf7       type long
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  right margin 132
  left margin 0
  report to "projwkp.out"
end

read into d
  pcl_idx
```

```
  where pcl_code = code and pcl_name = name
end

read into b
  d
  proj_idx proj_title
  wkpkg_title wkpkg_task wkpkg_no_idx wkpkg_wkpsys_idx wkpkg_pdip wkpfr_baseyr
  wkpfr_f0 wkpfr_f1 wkpfr_f2 wkpfr_f3 wkpfr_f4 wkpfr_f5 wkpfr_f6 wkpfr_f7
  wkpfr_u0 wkpfr_u1 wkpfr_u2 wkpfr_u3 wkpfr_u4 wkpfr_u5 wkpfr_u6 wkpfr_u7
  joining d.pcl_idx = proj_idx
      and proj_idx = optional wkpkg_proj_idx
      and wkpkg_no_idx = optional wkpfr_wkpkg_idx
end

read into a
  b
  wkpsys_ssn wkpsys_srf lrrdp_title
  joining b.wkpkg_wkpsys_idx = optional wkpsys_wkpkg_idx
      and wkpsys_ssn = optional lrrdp_ssn
end

read into e
  scl_ssn
  where scl_code = code and scl_name = name
end

read into c
  a
  e
  joining a.wkpsys_ssn = optional e.scl_ssn
end

sort by proj_cmd proj_pe proj_no wkpfr_baseyr wkpkg_task wkpkg_no wkpsys_ssn end

format

page header
  print column 47,"******  U N C L A S S I F I E D  ******"
  skip 2 lines
  print column 47,"       PROJECT/WORKPACKAGE SUMMARY"
  skip 2 lines
  print 8 spaces,"COMMAND: ",proj_cmd,
        8 spaces,"PROJECT: ",proj_pe,2 spaces,proj_no,
        10 spaces,"TITLE: ",proj_title clipped;
  if pagecount=1 then print " (Continued)" else print ""
  skip 1 line
  print " --------------- ---- ----------- ------ ------------------------------",
        "-------------- ------ ----- ------------------------------------ "
  print "| TASK/WKP/SSN",5 spaces,"WORKPACKAGE/SYSTEM TITLE",
       column 67,"| PDIP",
       column 75, "|  FY86   FY87   FY88   FY89   FY90   FY91   FY92   FY93 |"
  print "|-------------- ------------------------------------------------------|--",
        "-----|-------------------------------------------------------|"
  let linecount = 45

page trailer
```

```
  skip 1 line
  print "Legend",column 47,"******  U N C L A S S I F I E D  ******"
  print "* - System designated in Mission Area",column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of proj_no
  let pagecount=0
  skip to top of page
  let tf0 = 0
  let uf0 = 0
  let tf1 = 0
  let uf1 = 0
  let tf2 = 0
  let uf2 = 0
  let tf3 = 0
  let uf3 = 0
  let tf4 = 0
  let uf4 = 0
  let tf5 = 0
  let uf5 = 0
  let tf6 = 0
  let uf6 = 0
  let tf7 = 0
  let uf7 = 0

after group of proj_no
  if linecount < 5 then begin
    print "|",column 67,"|",column 75,"|",column 132,"|"
    print " ------------ ------------------------------------------------------",
          "-------------- ------------------------------------------------------- "
    skip to top of page
  end
  else begin
    print "|",column 67,"|",column 75,"|",column 132,"|"
    print "|------------------ ------------------------------------------------",
          "--|-------| ---------------------------------------------------------|"
  end
  print "| TOTAL FUNDS FOR PROJECT:  FUNDED",column 67,"|",column 75,"|";
  if tf0>0 then print tf0 using "###### "; else print "       ";
  if tf1>0 then print tf1 using "###### "; else print "       ";
  if tf2>0 then print tf2 using "###### "; else print "       ";
  if tf3>0 then print tf3 using "###### "; else print "       ";
  if tf4>0 then print tf4 using "###### "; else print "       ";
  if tf5>0 then print tf5 using "###### "; else print "       ";
  if tf6>0 then print tf6 using "###### "; else print "       ";
  if tf7>0 then print tf7 using "###### "; else print "       ";
  print column 132,"|"
  print "|                              UNFUNDED",column 67,"|",column 75,"|";
  if uf0>0 then print -uf0 using "(((((#)"; else print "       ";
  if uf1>0 then print -uf1 using "(((((#)"; else print "       ";
  if uf2>0 then print -uf2 using "(((((#)"; else print "       ";
  if uf3>0 then print -uf3 using "(((((#)"; else print "       ";
  if uf4>0 then print -uf4 using "(((((#)"; else print "       ";
  if uf5>0 then print -uf5 using "(((((#)"; else print "       ";
```

```
  if uf6>0 then print -uf6 using "(((((#)"; else print "        ";
  if uf7>0 then print -uf7 using "(((((#)"; else print "        ";
  print column 132,"!"
  print " --------------------- ---------------------------------------------------------",
        "---------------- ---- ------------ ------------------------------ ";

before group of wkpkg_no
  let evalcount = 0
  if linecount<5 then begin
    print "!",column 67,"!",column 75,"!",column 132,"!"
    print " --------------------- ---------------------------------------------------------",
          "---------------- ---- ------------ ------------------------------ ";
    skip to top of page
  end
  print "!",column 67,"!",column 75,"!",column 132,"!"
  print "! ",wkpkg_task[1,4],1 space,wkpkg_no,1 space,wkpkg_title[1,49],
        column 67,"!",wkpkg_pdip[1,4],"-",wkpkg_pdip[5,6],column 75,"!";
  if wkpfr_f0>0 then print wkpfr_f0 using "###### "; else print "        ";
  if wkpfr_f1>0 then print wkpfr_f1 using "###### "; else print "        ";
  if wkpfr_f2>0 then print wkpfr_f2 using "###### "; else print "        ";
  if wkpfr_f3>0 then print wkpfr_f3 using "###### "; else print "        ";
  if wkpfr_f4>0 then print wkpfr_f4 using "###### "; else print "        ";
  if wkpfr_f5>0 then print wkpfr_f5 using "###### "; else print "        ";
  if wkpfr_f6>0 then print wkpfr_f6 using "###### "; else print "        ";
  if wkpfr_f7>0 then print wkpfr_f7 using "###### "; else print "        ";
  let tf0 = tf0 + wkpfr_f0
  let tf1 = tf1 + wkpfr_f1
  let tf2 = tf2 + wkpfr_f2
  let tf3 = tf3 + wkpfr_f3
  let tf4 = tf4 + wkpfr_f4
  let tf5 = tf5 + wkpfr_f5
  let tf6 = tf6 + wkpfr_f6
  let tf7 = tf7 + wkpfr_f7
  let uf0 = uf0 + wkpfr_u0
  let uf1 = uf1 + wkpfr_u1
  let uf2 = uf2 + wkpfr_u2
  let uf3 = uf3 + wkpfr_u3
  let uf4 = uf4 + wkpfr_u4
  let uf5 = uf5 + wkpfr_u5
  let uf6 = uf6 + wkpfr_u6
  let uf7 = uf7 + wkpfr_u7
  print "!"
  let linecount = linecount-2

after group of wkpkg_no
  let pagecount = 1
  if evalcount = 0 then begin
    print "!",column 67,"!",column 75,"!";
    if wkpfr_u0>0 then print -wkpfr_u0 using "(((((#)"; else print "        ";
    if wkpfr_u1>0 then print -wkpfr_u1 using "(((((#)"; else print "        ";
    if wkpfr_u2>0 then print -wkpfr_u2 using "(((((#)"; else print "        ";
    if wkpfr_u3>0 then print -wkpfr_u3 using "(((((#)"; else print "        ";
    if wkpfr_u4>0 then print -wkpfr_u4 using "(((((#)"; else print "        ";
    if wkpfr_u5>0 then print -wkpfr_u5 using "(((((#)"; else print "        ";
    if wkpfr_u6>0 then print -wkpfr_u6 using "(((((#)"; else print "        ";
    if wkpfr_u7>0 then print -wkpfr_u7 using "(((((#)"; else print "        ";
```

```
    print column 132,"|"
    let linecount = linecount-1
  end

before group of wkpsys_ssn
  if wkpsys_ssn<>" " then begin
    if linecount < 3 then begin
      print "|",column 67,"|",column 75,"|",column 132,"|"
      print " ------------------------------------------------------------------",
      "---------------- - ------------------------------------------------------ ";
      skip to top of page
    end
    print "| ",5 spaces,wkpsys_ssn,2 spaces,lrrdp_title[1,48],1 space,
          wkpsys_srf using "#";
    if scl_ssn<>" " then print "*";
    print column 67,"|",column 75,"|";
    let linecount = linecount-1
    if evalcount = 0 then begin
      let evalcount = 1
      if wkpfr_u0>0 then print -wkpfr_u0 using "(((((#)"; else print "        ";
      if wkpfr_u1>0 then print -wkpfr_u1 using "(((((#)"; else print "        ";
      if wkpfr_u2>0 then print -wkpfr_u2 using "(((((#)"; else print "        ";
      if wkpfr_u3>0 then print -wkpfr_u3 using "(((((#)"; else print "        ";
      if wkpfr_u4>0 then print -wkpfr_u4 using "(((((#)"; else print "        ";
      if wkpfr_u5>0 then print -wkpfr_u5 using "(((((#)"; else print "        ";
      if wkpfr_u6>0 then print  wkpfr_u6 using "(((((#)"; else print "        ";
      if wkpfr_u7>0 then print -wkpfr_u7 using "(((((#)"; else print "        ";
    end
    print column 132,"|"
  end

end
```

```
{  PROJ - WKPKG blank summary }

{ last modified 2/6/86 to add mission area parameter and date-time stamp.
  2/7/86. added page letter parameter. Also modified 2/26/86 for Exec. Assmt.
  revised 3/5/86 to remove belvoir specifics and to replace peproj in the mamp.
  5/2/86 moved to the mamp and removed the funding information to produce a
  blank table. Changed the planning horizon to fy87 to fy93. }

database mamp end

define
  variable evalcount type integer
  variable pagecount type integer
  variable linecount type integer
  variable pno       type integer
  param[1] pletter   type character length 1
  param[2] code      type integer
  param[3] name      type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  right margin 132
  left margin 0
  report to "projwkpblk.out"
end

read into a
  pcl_idx
  where pcl_code = code and pcl_name = name
end

read into b
  proj_title
  wkpkg_wkpsys_idx wkpkg_title wkpkg_pdip
  joining a.pcl_idx = proj_idx
      and a.pcl_idx = optional wkpkg_proj_idx
end

read into d
  unique scl_ssn lrrdp_title
  joining scl_ssn = lrrdp_ssn
end

read into c
  b
  d
  joining b.wkpkg_wkpsys_idx = optional wkpsys_wkpkg_idx
      and wkpsys_ssn = optional d.scl_ssn
end

sort by wkpkg_cmd wkpkg_pe wkpkg_proj wkpkg_task wkpkg_no scl_ssn end
```

```
format

page header
  print column 47,"******  U N C L A S S I F I E D  ******"
  skip 2 lines
  print column 47,"       PROJECT/WORKPACKAGE SUMMARY"
  skip 2 lines
  print 8 spaces,"COMMAND: ",wkpkg_cmd,
        8 spaces,"PROJECT: ",wkpkg_pe,2 spaces,wkpkg_proj,
        10 spaces,"TITLE: ",proj_title clipped;
  if pagecount=1 then print " (Continued)" else print ""
  skip 1 line
  print " ------------------------------------------------------------------",
        "------------------------------------------------------------ "
  print "| TASK/WKP/SSN",5 spaces,"WORKPACKAGE/SYSTEM TITLE",
       column 67,"| PDIP",
       column 75, "|   FY87    FY88    FY89    FY90    FY91    FY92    FY93 |"
  print "|-------------------------------------------------------------|--",
        "-----|-------------------------------------------------------|"
  let linecount = 45

page trailer
  skip 1 line
  print column 47,"******  U N C L A S S I F I E D  ******"
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of wkpkg_proj
  let pagecount=0
  skip to top of page

after group of wkpkg_proj
  if linecount < 5 then begin
    print "|",column 67,"|",column 75,"|",column 132,"|"
    print " ------------------------------------------------------------",
          "------------------------------------------------------------ "
    skip to top of page
  end
  else begin
    print "|",column 67,"|",column 75,"|",column 132,"|"
    print "|-------------------------------------------------------------",
          "--|-------|-----------------------------------------------------|"
  end
  print "| TOTAL FUNDS FOR PROJECT:  FUNDED",column 67,"|",column 75,"|",
        column 132,"|"
  print "|                           UNFUNDED",column 67,"|",column 75,"|",
        column 132,"|"
  print " ------------------------------------------------------------------",
        "------------------------------------------------------------ ";

before group of wkpkg_no
  let evalcount = 0
  if linecount<5 then begin
    print "|",column 67,"|",column 75,"|",column 132,"|"
```

```
    print " ------------------------------------------------------------------",
          "------------ ------------------ ------------------------------------ ";
    skip to top of page
  end
  print "|",column 67,"|",column 75,"|",column 132,"|"
  print "| ",wkpkg_task[1,4],1 space,wkpkg_no[1,6],2 spaces,wkpkg_title[1,50],
        column 67,"|",wkpkg_pdip[1,4],"-",wkpkg_pdip[5,6],column 75,"|",
        column 132,"|"
  let linecount = linecount-2

after group of wkpkg_no
  let pagecount = 1
  if evalcount = 0 then begin
    print "|",column 67,"|",column 75,"|",column 132,"|"
    let linecount = linecount-1
  end

before group of scl_ssn
  if scl_ssn<>" " then begin
    if linecount < 3 then begin
      print "|",column 67,"|",column 75,"|",column 132,"|"
      print " ------------ ------------------------------------------------------",
         "------------ ------------------ ------------------------------------ ";
      skip to top of page
    end
    print "| ",5 spaces,scl_ssn,2 spaces,lrrdp_title[1,50],
         column 67,"|",column 75,"|";
    let linecount = linecount-1
    if evalcount = 0 then begin
      let evalcount = 1
    end
    print column 132,"|"
  end

end
```

```
{ this creates the database for the ssndroll file.  It is a rollup of the top
  8 deficiencies for any one system. }

database mamp end

define
  variable ndef type integer
end

output
  page length 32000
  left margin 0
  right margin 80
  top margin 0
  report to "ssndroll.out"
end

read
  ssndef_ssn ssndef_def ssndef_cont_value
  joining unissn_ssn = ssndef_ssn
end

sort by ssndef_ssn ssndef_def end

format

before group of ssndef_ssn
  let ndef = 0
  print ssndef_ssn,"|";

before group of ssndef_def
  if ndef<8  and ssndef_def>0 then begin
    let ndef = ndef+1
    print ssndef_def,"|",ssndef_cont_value,"|";
  end

after group of ssndef_ssn
  let ndef = 8-ndef
  if ndef>0 then begin
    while ndef>0 do begin
      print "0| |";
      let ndef = ndef-1
    end
  end
  print group count using "####","|"

end
```

```
{ system to deficiency cross reference check.

  6/5/86 taken from priorsys
  6/30/86 made unclassified with new guidance.}

database mamp end

define
  variable cnt      type integer
  variable dcnt     type integer
  variable pno      type integer
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "sysdef.out"
end

read into b
  scl_ssn
  where scl_code = code and scl_name = name
end

read into c
  b
  ssn_amc_mgr ssn_da_ma
  lrrdp_title
  prior1
  joining b.scl_ssn = optional prior1_ssn_no
      and b.scl_ssn = optional lrrdp_ssn
      and b.scl_ssn = optional ssn_ssn
end

read into a
  c
  ssndef_def ssndef_cont_value
  joining c.scl_ssn = optional ssndef_ssn
end

sort by scl_ssn ssndef_def end

format

page header
  print column 47,"***** U N C L A S S I F I E D *****"
  skip 2 lines
  print column 44,name clipped," SYSTEM BDP RANKING AND DEFICIENCIES"
  skip 2 lines
```

```
  print 7 spaces,"SSN",5 spaces,"DA MA",4 spaces,"AMC MGR",15 spaces,
    "TITLE", column 88," #DEF  #A  #B  #C  #D  #E  #X  BL   RATING"
  skip 1 line

page trailer
  skip 2 lines
  print column 47,"***** U N C L A S S I F I E D *****"
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of scl_ssn
  let cnt = cnt+1
  print cnt using "####. ",scl_ssn,4 spaces,ssn_da_ma,
        5 spaces,ssn_amc_mgr,column 30,lrrdp_title[1,50],2 spaces,
        prior1_ndef using "####",prior1_na using "####",prior1_nb using "####",
        prior1_nc using "####",prior1_nd using "####",
        prior1_ne using "####",prior1_nx using "####",prior1_bl using "####",
        prior1_score using "######.##"
  let dcnt = 0
  print 15 spaces;

after group of scl_ssn
  print ""

before group of ssndef_def
  let dcnt = dcnt+1
  if dcnt>15 then begi
    let dcnt=1
    print ""
    print 15 spaces;
  end
  print ssndef_def using " ####","-",ssndef_cont_value;

end
```

```
{ abbreviated system to deficiency cross reference check.
  removed system titles and priori data from sysdef.

  8/4/86.   taken from sysdef. }

database mamp end

define
  variable dcnt    type integer
  variable pno     type integer
  param[1] pletter type character length 1
  param[2] code    type integer
  param[3] name    type character length 12
  param[4] cmd     type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "sysdef2.out"
end

read into b
  scl_ssn
  where scl_code = code and scl_name matches name
end

read into c
  b
  where ssn_amc_mgr matches cmd
  joining b.scl_ssn = ssn_ssn
end

read into a
  c
  ssndef_def ssndef_cont_value
  joining c.scl_ssn = optional ssndef_ssn
end

sort by scl_ssn ssndef_def end

format

page header
  print column 47,"***** U N C L A S S I F I E D *****"
  skip 2 lines
  print column 50,name clipped," SYSTEM BDP DEFICIENCIES"
  skip 2 lines
  print 2 spaces,"SSN",5 spaces,"DEFICIENCIES"
  skip 1 line

page trailer
```

```
  skip 2 lines
  print column 47,"***** U N C L A S S I F I E D *****"
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of scl_ssn
  print scl_ssn,4 spaces;
  let dcnt = 0

after group of scl_ssn
  print ""

before group of ssndef_def
  let dcnt = dcnt+1
  if dcnt>15 then begin
    let dcnt=1
    print ""
    print 10 spaces;
  end
  print ssndef_def using " ####","-",ssndef_cont_value;

end
```

```
Jul 29 12:54 1986  sysdollars Page 1


{System Summary with Dollar Values inserted.

  Last modified on 2/4/86 to add date-time stamp, tradoc ma,
       ma parameter, and workpackage rating factor.
  2/7/86 to change commodity and mission area designators.
  5/12/86 changed to the mamp database.  changed the logic so that all systems
          with any workpackages and all developmental systems - regardless of
          workpackages - will print.  Added page letter parameter.
  5/13/86 removed *1000 in lrrdp funded amounts. It's already in $1000s.
  5/16/86  added report group parameter (t)
  5/21/86 changed parameter t to "matches" condition.
  6/9/86  removed group parameter (t), this report will print all systems
          including type classified.  Removed < completed >.
  6/13/86 changed classification to include the possibility of a secret
          system description.  Get classification from ssn_class.
  7/3/86  corrected project linkage to allow workpackages in control file
          linked to other mission areas.
  7/10/86 changed wkpsys_wc to wkpsys_srf in keeping with iitri's usage.
  7/15/86 extensive modifications to print multiple pdips. }

database mamp end

define
   variable pfmt        type character length 8
   variable nfmt        type character length 8
   variable bfmt        type character length 8
   variable proghead    type character length 30
   variable vb          type character length 1
   variable head        type integer
   variable phead       type integer
   variable unf         type integer
   variable hflag       type integer
   variable tbflag      type integer
   variable printflag   type integer
   variable break       type integer
   variable obreak      type integer
   variable pagebreak   type integer
   variable linesleft   type integer
   variable wtot        type integer
   variable evalcount   type integer
   variable pno         type integer
   param[1] pletter     type character length 1
   param[2] code        type integer
   param[3] name        type character length 12
   param[4] cmd         type character length 12
   param[5] ssn         type character length 6
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "sysdollars.out"
```

```
end

read into c
  scl_ssn
  where scl_code = code and scl_name = name and scl_ssn matches ssn
end

read into a
  c
  acq_code acq_type
  ssn_desc ssn_req_doc1 ssn_req_doc2 ssn_req_doc3 ssn_amc_msc ssn_com_line
  ssn_xfuncarea ssn_amc_mgr ssn_tradoc_pro ssn_tradoc_ma ssn_da_ma ssn_class
  where ssn_amc_mgr matches cmd
  joining c.scl_ssn = optional ssn_ssn
      and ssn_acq_code = optional acq_code
end

read into b
  a
  lrrdp_pdip lrrdp_title
  lrrdp_procf1 lrrdp_procf2 lrrdp_procf3 lrrdp_procf4 lrrdp_procf5
  lrrdp_procf6 lrrdp_procf7 lrrdp_procf8 lrrdp_procf9 lrrdp_procf10
  lrrdp_procf11 lrrdp_procf12 lrrdp_procf13 lrrdp_procf14
  lrrdppri_pri
  ssndroll
  assr
  joining a.scl_ssn = optional lrrdp_ssn
      and lrrdp_pdip = optional lrrdppri_pdip
      and a.scl_ssn = optional ssnd_ssn
      and a.scl_ssn = optional assr_ssn
end

read into c
  prjctl
  where pcl_code = code and pcl_name = name
end

read into a
  b
  wkpsys_srf
  prior2_nsys
  wkpkg_cmd wkpkg_cat wkpkg_subcat wkpkg_pe wkpkg_proj wkpkg_task wkpkg_no
  wkpkg_title wkpfr_baseyr
  wkpfr_f0 wkpfr_f1 wkpfr_f2 wkpfr_f3 wkpfr_f4 wkpfr_f5 wkpfr_f6 wkpfr_f7
  wkpfr_u0 wkpfr_u1 wkpfr_u2 wkpfr_u3 wkpfr_u4 wkpfr_u5 wkpfr_u6 wkpfr_u7
  c.pcl_name
  joining b.scl_ssn = optional wkpsys_ssn
      and wkpsys_wkpkg_idx = optional wkpkg_wkpsys_idx
      and wkpkg_no_idx = optional wkpfr_wkpkg_idx
      and wkpkg_proj_idx = optional c.pcl_idx
      and wkpkg_no_idx = optional prior2_wkpkg_idx
end

sort by scl_ssn wkpkg_subcat descending
        wkpsys_srf wkpkg_pe wkpkg_proj wkpkg_no lrrdp_pdip end
```

```
format

page header
  if ssn_class = "S" then print column 52,"****** S E C R E T ******"
  else print column 47,"****** C O N F I D E N T I A L ******"
  skip 2 lines
  print 20 spaces,"SSN:   ",scl_ssn,20 spaces,"TITLE:   ",lrrdp_title
  let pagebreak = 0
  let printflag = 1
  let linesleft = 51
  let vb = "|"
  let pfmt = "######## "
  let nfmt = "(((((((#)"
  let bfmt = "         "

page trailer
  skip 1 line
  print "Legend:";
  if ssn_class = "S" then print column 52,"****** S E C R E T ******"
  else print column 47,"****** C O N F I D E N T I A L ******"
  print " v  - Workpackage Contribution Value",column 100,date,2 spaces,time
  print " *  - ",name clipped," Funded Workpackage"
  print " m  - Workpackage Supports Multiple Systems";
  if pletter = "Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of scl_ssn
  skip to top of page
  let tbflag = 0
  let head = 1

  if assr_ssn1<>" " then begin
    skip 1 line
    print 20 spaces,"ASSOC SSN:";
    if assr_ssn1<>" " then print 4 spaces,assr_ssn1;
    if assr_ssn2<>" " then print 4 spaces,assr_ssn2;
    if assr_ssn3<>" " then print 4 spaces,assr_ssn3;
    if assr_ssn4<>" " then print 4 spaces,assr_ssn4;
    if assr_ssn5<>" " then print 4 spaces,assr_ssn5;
    if assr_ssn6<>" " then print 4 spaces,assr_ssn6;
    if assr_ssn7<>" " then print 4 spaces,assr_ssn7;
    if assr_ssn8<>" " then print 4 spaces,assr_ssn8;
    if assr_ssn9<>" " then print 4 spaces,assr_ssn9;
    if assr_ssn10<>" " then print 4 spaces,assr_ssn10;
    print " "
    let linesleft = linesleft-2
  end

  skip 1 line
  print "DA/TRADOC Mission Area:    ",ssn_da_ma," / ",ssn_tradoc_ma,
        column 80,"AMCMSC:   ",ssn_amc_msc
  print "Commodity Line:   ",ssn_com_line,
        column 80,"AMC Manager:   ",ssn_amc_mgr
  print "Cross Functional Area:   ",ssn_xfuncarea,
       column 80 ,"TRADOC Proponent:   ",ssn_tradoc_pro
```

```
print "Acquisition Type:   ",acq_type,
      column 80,"Req. Document:   ","(",ssn_req_doc1,
      ",",ssn_req_doc2,",",ssn_req_doc3,")"
let linesleft = linesleft-3

skip 1 line
print "TOP 8 DEFICIENCIES:   ";
if ssnd_def1>0 then begin
  print ssnd_def1;
  if ssnd_con1<>" " then print "-",ssnd_con1; else print "   "; end
if ssnd_def2>0 then begin
  print ",  ",ssnd_def2;
  if ssnd_con2<>" " then print "-",ssnd_con2; else print "   "; end
if ssnd_def3>0 then begin
  print ",  ",ssnd_def3;
  if ssnd_con3<>" " then print "-",ssnd_con3; else print "   "; end
if ssnd_def4>0 then begin
  print ",  ",ssnd_def4;
  if ssnd_con4<>" " then print "-",ssnd_con4; else print "   "; end
if ssnd_def5>0 then begin
  print ",  ",ssnd_def5;
  if ssnd_con5<>" " then print "-",ssnd_con5; else print "   "; end
if ssnd_def6>0 then begin
  print ",  ",ssnd_def6;
  if ssnd_con6<>" " then print "-",ssnd_con6; else print "   "; end
if ssnd_def7>0 then begin
  print ",  ",ssnd_def7;
  if ssnd_con7<>" " then print "-",ssnd_con7; else print "   "; end
if ssnd_def8>0 then begin
  print ",  ",ssnd_def8;
  if ssnd_con8<>" " then print "-",ssnd_con8; else print "   "; end
print " "
let linesleft = linesleft -2

skip 1 line
print "DESCRIPTION:   ";
let break = 118
while ssn_desc[break,break]<>" " do let break = break-1
print ssn_desc[1,break]
let obreak = break+1
let break = break+118
while ssn_desc[break,break]<>" " do let break = break-1
print 14 spaces,ssn_desc[obreak,break]
let obreak = break+1
let break = break+118
while ssn_desc[break,break]<>" " do let break = break-1
print 14 spaces,ssn_desc[obreak,break]
let obreak = break+1
let break = break+118
while ssn_desc[break,break]<>" " do let break = break-1
print 14 spaces,ssn_desc[obreak,break]
let obreak = break+1
let break = break+118
while ssn_desc[break,break]<>" " do let break = break-1
print 14 spaces,ssn_desc[obreak,break]
let obreak = break+1
```

```
  print 14 spaces,ssn_desc[obreak,600]
  skip 2 lines
  let linesleft = linesleft-9

before group of lrrdp_pdip

  if head = 1 then begin
    print column 56,"PRODUCTION PROGRAM ($K)"
    print " ------------------------------------------------------------------",
     "------------ ----- ------------------------------------------------ "
    print "|   PDIP/INCR",
         column 18,"|      94       95       96       97       98       99 |",
         "      86       87       88       89       90       91       92       93 |"
    print "|----------------|-------------------------------------------------",
     "----'-------------------------------------------------------------------|"
    let head = 0
    let phead = 1
    let linesleft = linesleft-4
  end

  if phead =1 then begin
    if lrrdppri_pri>800.0 or lrrdppri_pri<1.0 then let unf=1 else let unf=0
    print vb,4 spaces,lrrdp_pdip[1,4],"-",lrrdp_pdip[5,6],column 18,vb;
    if unf=0 then begin
      if lrrdp_procf9>0 then print lrrdp_procf9 using pfmt; else print bfmt;
      if lrrdp_procf10>0 then print lrrdp_procf10 using pfmt; else print bfmt;
      if lrrdp_procf11>0 then print lrrdp_procf11 using pfmt; else print bfmt;
      if lrrdp_procf12>0 then print lrrdp_procf12 using pfmt; else print bfmt;
      if lrrdp_procf13>0 then print lrrdp_procf13 using pfmt; else print bfmt;
      if lrrdp_procf14>0 then print lrrdp_procf14 using pfmt; else print bfmt;
      print vb;
      if lrrdp_procf1>0 then print lrrdp_procf1 using pfmt; else print bfmt;
      if lrrdp_procf2>0 then print lrrdp_procf2 using pfmt; else print bfmt;
      if lrrdp_procf3>0 then print lrrdp_procf3 using pfmt; else print bfmt;
      if lrrdp_procf4>0 then print lrrdp_procf4 using pfmt; else print bfmt;
      if lrrdp_procf5>0 then print lrrdp_procf5 using pfmt; else print bfmt;
      if lrrdp_procf6>0 then print lrrdp_procf6 using pfmt; else print bfmt;
      if lrrdp_procf7>0 then print lrrdp_procf7 using pfmt; else print bfmt;
      if lrrdp_procf8>0 then print lrrdp_procf8 using pfmt; else print bfmt;
    end
    else begin
      if lrrdp_procf9>0 then print -lrrdp_procf9 using nfmt; else print bfmt;
      if lrrdp_procf10>0 then print -lrrdp_procf10 using nfmt; else print bfmt;
      if lrrdp_procf11>0 then print -lrrdp_procf11 using nfmt; else print bfmt;
      if lrrdp_procf12>0 then print -lrrdp_procf12 using nfmt; else print bfmt;
      if lrrdp_procf13>0 then print -lrrdp_procf13 using nfmt; else print bfmt;
      if lrrdp_procf14>0 then print -lrrdp_procf14 using nfmt; else print bfmt;
      print vb;
      if lrrdp_procf1>0 then print -lrrdp_procf1 using nfmt; else print bfmt;
      if lrrdp_procf2>0 then print -lrrdp_procf2 using nfmt; else print bfmt;
      if lrrdp_procf3>0 then print -lrrdp_procf3 using nfmt; else print bfmt;
      if lrrdp_procf4>0 then print -lrrdp_procf4 using nfmt; else print bfmt;
      if lrrdp_procf5>0 then print -lrrdp_procf5 using nfmt; else print bfmt;
      if lrrdp_procf6>0 then print -lrrdp_procf6 using nfmt; else print bfmt;
      if lrrdp_procf7>0 then print -lrrdp_procf7 using nfmt; else print bfmt;
      if lrrdp_procf8>0 then print -lrrdp_procf8 using nfmt; else print bfmt;
```

```
    end
    print column 132,vb
    let linesleft = linesleft -1
  end

before group of wkpkg_subcat
  if proghead = " " then let printflag = 1
  if (wkpkg_subcat="6.1" or wkpkg_subcat="6.2" or wkpkg_subcat="6.3A")
   then begin
    if tbflag = 1 then begin
      let printflag = 1
      let tbflag = 0
      print " ------------------------------------------------------------",
      "------------------------------------------------------------------"
      let linesleft = linesleft-1
      if linesleft < 9 then skip to top of page
    end
    let proghead = "TECH BASE PROGRAMS ($K)"
  end
  else begin
    let tbflag = 1
    let proghead = "DEVELOPMENT PROGRAMS ($K)"
  end

after group of wkpkg_no

  if phead = 1 then begin
    print " ------------------------------------------------------------",
     "------------------------------------------------------------ "
    skip 2 lines
    let linesleft = linesleft-3
    let phead = 0
  end

  if linesleft < 3 then begin
    print " ------------------------------------------------------------",
     "------------------------------------------------------------ "
    skip to top of page
    skip 2 lines
    let linesleft = linesleft-2
  end

  if printflag = 1 then begin
    skip 2 lines
    print column 55,proghead
    print " ------------------------------------------------------------",
     "------------------------------------------------------------ "
    print vb,column 63,"|v*m|",
        "     86      87      88      89      90      91      92      93 |"
    print "|-----------------------------------------------------------|",
        "---|-----------------------------------------------------------|"
    let linesleft = linesleft-6
    let printflag = 0
  end

  let break = 32
```

```
  if wkpkg_pe=" " then print "|   < No identified workpackages >";
  else begin
    print "| ",wkpkg_pe,1 space,wkpkg_proj,1 space,wkpkg_task[1,3],1 space,
              wkpkg_cmd[1,4],1 space,wkpkg_no,1 space;
    while wkpkg_title[break,break]<>" " do let break = break-1
    print wkpkg_title[1,break];
  end
  print column 63,vb,wkpsys_srf using "#";
  if pcl_name = name then print "*"; else print " ";
  if prior2_nsys>1 then print "m",vb; else print " ",vb;
  let wtot = wkpfr_f0+wkpfr_f1+wkpfr_f2+wkpfr_f3+wkpfr_f4+wkpfr_f5+
              wkpfr_f6+wkpfr_f7+wkpfr_u0+wkpfr_u1+wkpfr_u2+wkpfr_u3+
              wkpfr_u4+wkpfr_u5+wkpfr_u6+wkpfr_u7
  if wtot > 0 then begin
    if wkpfr_f0>0 then print wkpfr_f0 using pfmt; else print bfmt;
    if wkpfr_f1>0 then print wkpfr_f1 using pfmt; else print bfmt;
    if wkpfr_f2>0 then print wkpfr_f2 using pfmt; else print bfmt;
    if wkpfr_f3>0 then print wkpfr_f3 using pfmt; else print bfmt;
    if wkpfr_f4>0 then print wkpfr_f4 using pfmt; else print bfmt;
    if wkpfr_f5>0 then print wkpfr_f5 using pfmt; else print bfmt;
    if wkpfr_f6>0 then print wkpfr_f6 using pfmt; else print bfmt;
    if wkpfr_f7>0 then print wkpfr_f7 using pfmt; else print bfmt;
  end
  else if wkpfr_baseyr>1993 then print column 100,"<scheduled out year>";
  else print "      <not scheduled>";
  print column 132,vb
  if break > 29 then print vb,column 32,wkpkg_title[break+1,60];
  else print vb,column 32,wkpkg_title[break+1,break+31];
  print column 63,vb,"   ",vb;
  if wkpfr_u0>0 then print -wkpfr_u0 using nfmt; else print bfmt;
  if wkpfr_u1>0 then print -wkpfr_u1 using nfmt; else print bfmt;
  if wkpfr_u2>0 then print -wkpfr_u2 using nfmt; else print bfmt;
  if wkpfr_u3>0 then print -wkpfr_u3 using nfmt; else print bfmt;
  if wkpfr_u4>0 then print -wkpfr_u4 using nfmt; else print bfmt;
  if wkpfr_u5>0 then print -wkpfr_u5 using nfmt; else print bfmt;
  if wkpfr_u6>0 then print -wkpfr_u6 using nfmt; else print bfmt;
  if wkpfr_u7>0 then print -wkpfr_u7 using nfmt; else print bfmt;
  print column 132,vb
  let linesleft = linesleft-2

after group of scl_ssn
  print " ------------------------------------------------------------------",
   "------------------------------------------------------------------ ";

end
```

```
database mamp end

{ last modified 2/6/86 to add date-time stamp and mission area.
  2/7/86 to get title and mission areas from ssndesc.
  3/5/86 to add pdip  and proponent entries
  3/6/86 to add page letter and number
  4/23/86 switch to the mamp data base.
  4/24/86 added acquisition code.
  5/2/86 only the highest priority pdip is now printed.
  6/13/86 added idxpg_no for page numbers.
  7/11/86 changed "command" to "amc mgr". }

define
  param[1] pletter type character length 1
  param[2] code    type integer
  param[3] name    type character length 12
  variable pno     type integer
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "sysindex.out"
end

read into b
  scl_ssn
  where scl_code = code and scl_name = name
end

read into a
  b
  ssn_amc_mgr ssn_da_ma ssn_tradoc_ma ssn_tradoc_pro
  hipri_pdip hipri_title acq_stt
  idxpg_no
  joining b.scl_ssn = optional ssn_ssn
      and b.scl_ssn = optional hipri_ssn
      and b.scl_ssn = optional idxpg_ssn
      and ssn_acq_code = optional acq_code
end

sort by hipri_title scl_ssn idxpg_no end

format

before group of scl_ssn
  print 6 spaces,scl_ssn,4 spaces,ssn_da_ma,
       5 spaces,ssn_tradoc_ma,"    ",ssn_tradoc_pro,4 spaces,
       hipri_title[1,30],4 spaces,ssn_amc_mgr,4 spaces,acq_stt,
       4 spaces,hipri_pdip[1,4],"-",hipri_pdip[5,6],5 spaces;
  if idxpg_no>0 then print idxpg_no using "####"
  else print ""
```

```
page header
  print column 47,"******  U N C L A S S I F I E D  ******"
  skip 2 lines
  print column 45,name clipped," SYSTEMS IN ALPHABETICAL ORDER BY TITLE"
  skip 2 lines
  print 7 spaces,"SSN",3 spaces,"DA MA",3 spaces,"TDC MA/PROP",
        18 spaces,"SYSTEM TITLE",
        27 spaces,"AMC MGR",9 spaces,"ACG",6 spaces,"PDIP",7 spaces,"PAGE"
  skip 2 lines

page trailer
  skip 2 lines
  print column 47,"******  U N C L A S S I F I E D  ******"
  print column 100,date,2 spaces,time
  if pletter="Z" then print 62 spaces,pno
  else print 62 spaces,pletter,"-", pno using "###"
  let pno = pno+1

end
```

```
database mamp end

{ last modified 2/6/86 to add date-time stamp and mission area.
  2/7/86 to get title and mission areas from ssndesc.
  3/5/86 to add pdip  and proponent entries
  3/6/86 to add page letter and number
  4/23/86 switch to the mamp data base.
  4/24/86 added acquisition code.
  5/2/86  changed to highest priority pdip
  6/13/86 added idxpg_no for page number.
  7/11/86 changed "command" to "amc mgr". }

define
  param[1] pletter type character length 1
  param[2] code    type integer
  param[3] name    type character length 12
  variable pno     type integer
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "sysindex1.out"
end

read into b
  scl_ssn
  where scl_code = code and scl_name = name
end

read into a
  b
  ssn_amc_mgr ssn_da_ma ssn_tradoc_ma ssn_tradoc_pro
  hipri_pdip hipri_title acq_stt
  idxpg_no
  joining b.scl_ssn = optional ssn_ssn
      and b.scl_ssn = optional hipri_ssn
      and b.scl_ssn = optional idxpg_ssn
      and ssn_acq_code = optional acq_code
end

sort by scl_ssn idxpg_no end

format

before group of scl_ssn
  print 6 spaces,scl_ssn,4 spaces,ssn_da_ma,
       5 spaces,ssn_tradoc_ma,"    ",ssn_tradoc_pro 4 spaces,
       hipri_title[1,30],4 spaces,ssn_amc_mgr,4 spaces,acq_stt,
       4 spaces,hipri_pdip[1,4],"-",hipri_pdip[5,6],4 spaces;
  if idxpg_no>0 then print idxpg_no using "####"
  else print ""
```

```
page header
  print column 47,"******  U N C L A S S I F I E D  ******"
  skip 2 lines
  print column 48,name clipped," SYSTEMS IN NUMERICAL ORDER BY SSN"
  skip 2 lines
  print 7 spaces,"SSN",5 spaces,"DA MA",3 spaces,"TDC MA/PROP",
        18 spaces,"SYSTEM TITLE",
        27 spaces,"AMC MGR",9 spaces,"ACQ",6 spaces,"PDIP",7 spaces,"PAGE"
  skip 2 lines

page trailer
  skip 2 lines
  print column 47,"******  U N C L A S S I F I E D  ******"
  print column 100,date,2 spaces,time
  if pletter="Z" then print 62 spaces,pno
  else print 62 spaces,pletter,"-", pno using "###"
  let pno = pno+1

end
```

```
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{ SYSTEM RDTE FUNDING ROLLUP PRODUCER.  This program is the precursor to
  defroll.  It summarizes the rdte funding for a system.  It does not include
  6.5 funding for a system. }

{ 5/19/86.  changed to the mamp database.
  5/20/86.  made corrections.
  6/10/86.  removed the code and name parameters.  This program now works for
            all systems in the wkpsys file and should be updated occasionally
            from the shell sysprol.
  7/23/86.  changed from year to generic data for the fields.
  7/25/86.  changed to the file structure of fundpro.
            reinstituted the code and name parameters.}

database mamp end

define
  param[1]    code          type integer
  param[2]    name          type character length 12
  variable    v             type character length 1
  variable    f0_tb         type long
  variable    u0_tb         type long
  variable    f0_dev        type long
  variable    u0_dev        type long
  variable    f1_tb         type long
  variable    u1_tb         type long
  variable    f1_dev        type long
  variable    u1_dev        type long
  variable    f2_tb         type long
  variable    u2_tb         type long
  variable    f2_dev        type long
  variable    u2_dev        type long
  variable    f3_tb         type long
  variable    u3_tb         type long
  variable    f3_dev        type long
  variable    u3_dev        type long
  variable    f4_tb         type long
  variable    u4_tb         type long
  variable    f4_dev        type long
  variable    u4_dev        type long
  variable    f5_tb         type long
  variable    u5_tb         type long
  variable    f5_dev        type long
  variable    u5_dev        type long
  variable    f6_tb         type long
  variable    u6_tb         type long
  variable    f6_dev        type long
  variable    u6_dev        type long
  variable    f7_tb         type long
  variable    u7_tb         type long
  variable    f7_dev        type long
  variable    u7_dev        type long
end

output
  top margin 0
  bottom margin 0
```

```
  left margin 0
  page length 32000
  report to "sysprol.out"
end

read into b
  dcl_def
  where dcl_code = code and dcl_name = name
end

read into c
  unique ssndef_ssn
  joining b.dcl_def = ssndef_def
end

read into a
  wkpsys_cmd wkpsys_cat wkpsys_subcat wkpsys_wkpkg wkpsys_ssn
  wkpfr_f0 wkpfr_f1 wkpfr_f2 wkpfr_f3 wkpfr_f4 wkpfr_f5 wkpfr_f6 wkpfr_f7
  wkpfr_u0 wkpfr_u1 wkpfr_u2 wkpfr_u3 wkpfr_u4 wkpfr_u5 wkpfr_u6 wkpfr_u7
  joining c.ssndef_ssn = wkpsys_ssn
      and wkpsys_wkpkg_idx = wkpkg_wkpsys_idx
      and wkpkg_no_idx = wkpfr_wkpkg_idx
end

sort by wkpsys_ssn wkpsys_cmd wkpsys_cat wkpsys_wkpkg end

format

before group of wkpsys_ssn
  let f0_tb = 0
  let u0_tb = 0
  let f0_dev = 0
  let u0_dev = 0
  let f1_tb = 0
  let u1_tb = 0
  let f1_dev = 0
  let u1_dev = 0
  let f2_tb = 0
  let u2_tb = 0
  let f2_dev = 0
  let u2_dev = 0
  let f3_tb = 0
  let u3_tb = 0
  let f3_dev = 0
  let u3_dev = 0
  let f4_tb = 0
  let u4_tb = 0
  let f4_dev = 0
  let u4_dev = 0
  let f5_tb = 0
  let u5_tb = 0
  let f5_dev = 0
  let u5_dev = 0
  let f6_tb = 0
  let u6_tb = 0
  let f6_dev = 0
```

```
  let u6_dev = 0
  let f7_tb = 0
  let u7_tb = 0
  let f7_dev = 0
  let u7_dev = 0

before group of wkpsys_wkpkg
  if wkpsys_subcat="6.1" or wkpsys_subcat="6.2" or wkpsys_subcat="6.3A" then begin
    let f0_tb = f0_tb + wkpfr_f0
    let f1_tb = f1_tb + wkpfr_f1
    let f2_tb = f2_tb + wkpfr_f2
    let f3_tb = f3_tb + wkpfr_f3
    let f4_tb = f4_tb + wkpfr_f4
    let f5_tb = f5_tb + wkpfr_f5
    let f6_tb = f6_tb + wkpfr_f6
    let f7_tb = f7_tb + wkpfr_f7
    let u0_tb = u0_tb + wkpfr_u0
    let u1_tb = u1_tb + wkpfr_u1
    let u2_tb = u2_tb + wkpfr_u2
    let u3_tb = u3_tb + wkpfr_u3
    let u4_tb = u4_tb + wkpfr_u4
    let u5_tb = u5_tb + wkpfr_u5
    let u6_tb = u6_tb + wkpfr_u6
    let u7_tb = u7_tb + wkpfr_u7
  end
  else if wkpsys_subcat="6.3B" or wkpsys_subcat="6.4" or wkpsys_subcat="6.7" then begin
    let f0_dev = f0_dev + wkpfr_f0
    let f1_dev = f1_dev + wkpfr_f1
    let f2_dev = f2_dev + wkpfr_f2
    let f3_dev = f3_dev + wkpfr_f3
    let f4_dev = f4_dev + wkpfr_f4
    let f5_dev = f5_dev + wkpfr_f5
    let f6_dev = f6_dev + wkpfr_f6
    let f7_dev = f7_dev + wkpfr_f7
    let u0_dev = u0_dev + wkpfr_u0
    let u1_dev = u1_dev + wkpfr_u1
    let u2_dev = u2_dev + wkpfr_u2
    let u3_dev = u3_dev + wkpfr_u3
    let u4_dev = u4_dev + wkpfr_u4
    let u5_dev = u5_dev + wkpfr_u5
    let u6_dev = u6_dev + wkpfr_u6
    let u7_dev = u7_dev + wkpfr_u7
  end

after group of wkpsys_ssn
  let v="|"
  print "0",v," ",v,wkpsys_ssn,v;
  print f0_tb,v,f1_tb,v,f2_tb,v,f3_tb,v,f4_tb,v,f5_tb,v,f6_tb,v,f7_tb,v;
  print u0_tb,v,u1_tb,v,u2_tb,v,u3_tb,v,u4_tb,v,u5_tb,v,u6_tb,v,u7_tb,v;
  print f0_dev,v,f1_dev,v,f2_dev,v,f3_dev,v,f4_dev,v,f5_dev,v,f6_dev,v,f7_dev,v;
  print u0_dev,v,u1_dev,v,u2_dev,v,u3_dev,v,u4_dev,v,u5_dev,v,u6_dev,v,u7_dev,v

end
```

```
{ System Resource Report with RDTE Funding Chart.

  Modified on 2/5/86 to include mission area parameter and date-time
  stamp on each page.
  Modified on 5/19/86 to add command and group parameters,
                      and to change report in order to run in mamp.
  Made corrections.  5/20/86
  5/29/86  merged into a single file for all commands as an option.
  6/10/86  removed the group parameter. }

database mamp end

define
  variable wkp    type integer
  variable tbo    type integer
  variable pgend  type integer
  variable f85    type float
  variable f86    type float
  variable f87    type float
  variable f88    type float
  variable f89    type float
  variable f90    type float
  variable f91    type float
  variable f92    type float
  variable u85    type float
  variable u86    type float
  variable u87    type float
  variable u88    type float
  variable u89    type float
  variable u90    type float
  variable u91    type float
  variable u92    type float
  variable pno    type integer
  param[1] pletter type character length 1
  param[2] code   type integer
  param[3] name   type character length 12
  param[4] cmd    type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "sysres.out"
end

read into c
  scl_ssn scl_code
  where scl_code = code and scl_name = name
end

read into a
  c
```

```
  hipri_title
  ssn_amc_mgr ssn_da_ma ssn_tradoc_ma
  where ssn_amc_mgr matches cmd
    and (ssn_acq_code = 3 or ssn_acq_code = 4)
 {excludes base case, type classified, tech demo, and BBTA systems.}
  joining c.scl_ssn = ssn_ssn
     and  c.scl_ssn = hipri_ssn
end

read into c
  a
  wkpkg_no_idx wkpkg_subcat
  wkpfr_f0 wkpfr_f1 wkpfr_f2 wkpfr_f3 wkpfr_f4 wkpfr_f5 wkpfr_f6 wkpfr_f7
  wkpfr_u0 wkpfr_u1 wkpfr_u2 wkpfr_u3 wkpfr_u4 wkpfr_u5 wkpfr_u6 wkpfr_u7
  joining a.scl_ssn = optional wkpsys_ssn
      and wkpsys_wkpkg_idx = optional wkpkg_wkpsys_idx
      and wkpkg_no_idx = wkpfr_wkpkg_idx
end

sort by scl_ssn end

format

page header
 print column 47,"******  U N C L A S S I F I E D  ******"
 skip 2 lines
 print column 42,"SYSTEMS WITHOUT ACTIVE 6.3B/6.4 WORKPACKAGES FOR ",name
 skip 3 lines
 print column 90,"DEVELOPMENT SCHEDULE"
  print " ---------------------------------------------------------------",
        "-------------- ------------------------------------------------- "
  print "|  SSN",10 spaces,"TITLE",column 57,"DA/TDC MA",column 67,
        "|  FY86    FY87    FY88    FY89    FY90    FY91    FY92    FY93  |"
  print "|-------------------------------------------------------------",
        "|-------------- ------------------------------------------------|"
  print "|",column 67,"|",column 132, "|"
  let pgend = 0

page trailer
  if pgend = 0 then begin
    print "|",column 67,"|",column 132, "|"
    print " ---------------------------------------------------------------",
          "-------------------------------------------------------------- "
  end
  else skip 2 lines
  skip 2 lines
  print "Legend:",column 47,"******  U N C L A S S I F I E D  ******"
  print "******  Funded (Tech Base Only)",column 100,date,2 spaces,time
  print "*-*-*-  Partial Funded"
  print "------  Unfunded";
  if pletter = "Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

on last record
  let pgend = 1
```

```
  print "|",column 67,"|",column 132,"|"
  print " ---------------- ------------------------------------------------------",
        "---------- ---------- ------------------ ------------------------- "

before group of scl_ssn
  let wkp = 1
  let tbo = 1
  let f85 = 0
  let f86 = 0
  let f87 = 0
  let f88 = 0
  let f89 = 0
  let f90 = 0
  let f91 = 0
  let f92 = 0
  let u85 = 0
  let u86 = 0
  let u87 = 0
  let u88 = 0
  let u89 = 0
  let u90 = 0
  let u91 = 0
  let u92 = 0

after group of scl_ssn
  if wkp=1 or tbo=1 then begin
    print "| ",scl_ssn,2 spaces,hipri_title[1,45],1 space,
          ssn_da_ma," / ",ssn_tradoc_ma,column 67,"|";
    if f85>0 then begin
      if u85>0 then print "*-*-*-*-"; else print "********"; end
      else if u85>0 then print "--------"; else print "        ";
    if f86>0 then begin
      if u86>0 then print "*-*-*-*-"; else print "********"; end
      else if u86>0 then print "--------"; else print "        ";
    if f87>0 then begin
      if u87>0 then print "*-*-*-*-"; else print "********"; end
      else if u87>0 then print "--------"; else print "        ";
    if f88>0 then begin
      if u88>0 then print "*-*-*-*-"; else print "********"; end
      else if u88>0 then print "--------"; else print "        ";
    if f89>0 then begin
      if u89>0 then print "*-*-*-*-"; else print "********"; end
      else if u89>0 then print "--------"; else print "        ";
    if f90>0 then begin
      if u90>0 then print "*-*-*-*-"; else print "********"; end
      else if u90>0 then print "--------"; else print "        ";
    if f91>0 then begin
      if u91>0 then print "*-*-*-*-"; else print "********"; end
      else if u91>0 then print "--------"; else print "        ";
    if f92>0 then begin
      if u92>0 then print "*-*-*-*-"; else print "********"; end
      else if u92>0 then print "--------"; else print "        ";
    print column 132,"|"
  end

on every record
```

```
  if wkpkg_no<>" " then let wkp = 0
  if wkpkg_subcat="6.38" or wkpkg_subcat="6.4" or wkpkg_subcat="6.5"
      or wkpkg_subcat="6.7" then let tbo=0
  let f85 = f85 + wkpfr_f0
  let u85 = u85 + wkpfr_u0
  let f86 = f86 + wkpfr_f1
  let u86 = u86 + wkpfr_u1
  let f87 = f87 + wkpfr_f2
  let u87 = u87 + wkpfr_u2
  let f88 = f88 + wkpfr_f3
  let u88 = u88 + wkpfr_u3
  let f89 = f89 + wkpfr_f4
  let u89 = u89 + wkpfr_u4
  let f90 = f90 + wkpfr_f5
  let u90 = u90 + wkpfr_u5
  let f91 = f91 + wkpfr_f6
  let u91 = u91 + wkpfr_u6
  let f92 = f92 + wkpfr_f7
  let u92 = u92 + wkpfr_u7

end
```

```
database mamp end

define
  variable hissn  type character length 6
  variable hicv   type integer
  variable hipdip type character length 6
  variable hiscore type float
  variable score  type float
  variable conval type float
end

output
  page length 32000
  top margin 0
  left margin 0
  report to "tsw.out"
end

read into b
  unique pcl_idx
end

read into a
  wkpkg_wkpsys_idx
  wkpsys_ssn wkpsys_srf
  joining b.pcl_idx = wkpkg_proj_idx
      and wkpkg_wkpsys_idx = wkpsys_wkpkg_idx
      and wkpsys_ssn = unissn_ssn
end

read into c
  a
  priori_score
  hipri_pdip hipri_pri hipri_ok
  joining a.wkpsys_ssn = optional priori_ssn_no
      and a.wkpsys_ssn = optional hipri_ssn
end

sort by wkpkg_cmd wkpkg_cat wkpkg_no wkpsys_ssn
        hipri_ok descending hipri_pri end

format

before group of wkpkg_no
  let hiscore = -1.0
  let hissn = " "
  let hicv = 0
  let hipdip = " "

before group of wkpsys_ssn
  if wkpsys_ssn <> " " then begin
    if wkpsys_srf = 1 then let conval = 10.0
    else if wkpsys_srf = 2 then let conval = 5.0
    else if wkpsys_srf = 3 then let conval = 2.5
    else if wkpsys_srf = 4 then let conval = 1.25
    else let conval = 0.0
```

```
    let score = priori_score*conval
    if score>hiscore then begin
      let hissn = wkpsys_ssn
      let hicv = wkpsys_srf
      let hiscore = score
      let hipdip = hipri_pdip
    end
  end

after group of wkpkg_no
  print wkpkg_cmd,"!",wkpkg_cat,"!",wkpkg_subcat,"!",wkpkg_pe,"!",
        wkpkg_proj,"!",wkpkg_task,"!",wkpkg_no,"!",hissn,"!",hicv,"!",
        hipdip,"!",hipdip,"!0.0!"

end
```

```
{ Workpackages not linked to any systems, based on missing uniwkp linkages, and
  their funding streams.  This report will be used to identify missing data
  elements, and to locate billpayers that might escape notice in other reports.

7/28/86.  Initial report.  Taken from decwpbdp. }

database manp end

define
  param[1] pletter type character length 1
  param[2] code    type integer
  param[3] name    type character length 12
  param[4] cmd     type character length 12
  variable pno     type integer
  variable pgend   type integer
  variable cnt     type integer
  variable f0      type long
  variable f1      type long
  variable f2      type long
  variable f3      type long
  variable f4      type long
  variable f5      type long
  variable f6      type long
  variable f7      type long
  variable u0      type long
  variable u1      type long
  variable u2      type long
  variable u3      type long
  variable u4      type long
  variable u5      type long
  variable u6      type long
  variable u7      type long
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "unlkwkp.out"
end

read into b
  pcl_idx
  where pcl_code = code and pcl_name = name and pcl_cmd matches cmd
end

read into c
  wkpkg_no_idx wkpkg_pe wkpkg_proj wkpkg_task wkpkg_title
  where uniwkp_ssn = " "
  joining b.pcl_idx = wkpkg_proj_idx
      and wkpkg_wkpsys_idx = optional uniwkp_wkpkg_idx
end
```

```
read into d
  c
  wkpf_yr wkpf_fund wkpf_unfund
  joining c.wkpkg_no_idx = optional wkpf_wkpkg_idx
end

sort by wkpkg_pe wkpkg_proj wkpkg_task wkpkg_no wkpf_yr end

format

page header
  print column 47,"******  U N C L A S S I F I E D  ******"
  skip 2 lines
  print column 45,name clipped," FUNDED WORKPACKAGES NOT LINKED TO SYSTEMS"
  print column 53,"WITH FISCAL RESOURCES SHOWN"
  skip 3 lines
  print column 90,"DEVELOPMENT SCHEDULE"
  print " ---------------- --- ------------------------------------------",
        "--------------- ------------------------------------------------- "
  print "|        PE/PROJ/TASK/WKPKG",5 spaces,"TITLE",column 67,
        "|  FY86    FY87    FY88    FY89    FY90    FY91    FY92    FY93  |"
  print "|-------------------------------------------------------------------",
        "|-------------------------------------------------------------------|"
  print "|",column 67,"|",column 132, "|"
  let pgend = 0

page trailer
  if pgend = 0 then begin
    print "|",column 67,"|",column 132, "|"
    print " ------------------------------------------------------------------",
          "------------------------------------------------------------------ "
  end
  else skip 2 lines
  skip 2 lines
  print column 47,"******  U N C L A S S I F I E D  ******"
  print column 100,date,2 spaces,time
  if pletter = "Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

on last record
  let pgend = 1
  print "|",column 67,"|",column 132,"|"
  print " ------------------------------------------------------------------",
        "------------------------------------------------------------------ "
  print "|",column 35,"Cumulative Funded Resources",column 67,"|",
        f0 using "####### ",f1 using "####### ",f2 using "####### ",
        f3 using "####### ",f4 using "####### ",f5 using "####### ",
        f6 using "####### ",f7 using "####### ",column 132,"|"
  print "|",column 35,"            Unfunded Resources",column 67,"|",
        -u0 using "((((((#)",-u1 using "((((((#)",-u2 using "((((((#)",
        -u3 using "((((((#)",-u4 using "((((((#)",-u5 using "((((((#)",
        -u6 using "((((((#)",-u7 using "((((((#)",column 132,"|"
  print " --------- ---- ------------------------------------------------",
        "--------------------------------------------------------------- "
```

```
before group of wkpkg_no
  let cnt = cnt+1
  print "! ",cnt using "###. ",wkpkg_pe,1 space,wkpkg_proj,1 space,
    wkpkg_task clipped,1 space,wkpkg_no,column 52,wkpkg_cmd,column 67,"!";

before group of wkpf_yr
  if wkpf_yr>1985 then begin
    print column (8*(wkpf_yr-1986)+68);
    if wkpf_fund>0 then print wkpf_fund using "######## ";
    else if wkpf_unfund>0 then print -wkpf_unfund using "(((((((#)";
  end
  if wkpf_yr=1986 then begin
    let f0 = f0+wkpf_fund
    let u0 = u0+wkpf_unfund end
  else if wkpf_yr=1987 then begin
    let f1 = f1+wkpf_fund
    let u1 = u1+wkpf_unfund end
  else if wkpf_yr=1988 then begin
    let f2 = f2+wkpf_fund
    let u2 = u2+wkpf_unfund end
  else if wkpf_yr=1989 then begin
    let f3 = f3+wkpf_fund
    let u3 = u3+wkpf_unfund end
  else if wkpf_yr=1990 then begin
    let f4 = f4+wkpf_fund
    let u4 = u4+wkpf_unfund end
  else if wkpf_yr=1991 then begin
    let f5 = f5+wkpf_fund
    let u5 = u5+wkpf_unfund end
  else if wkpf_yr=1992 then begin
    let f6 = f6+wkpf_fund
    let u6 = u6+wkpf_unfund end
  else if wkpf_yr=1993 then begin
    let f7 = f7+wkpf_fund
    let u7 = u7+wkpf_unfund end

after group of wkpkg_no
  print column 132,"!"
  print "! ",5 spaces,wkpkg_title[1,58],column 67,"!",column 132,"!"

end
```

```
{ This program rolls up the funding for a workpackage into a single record. }

database mamp end

define
  param[1] base type integer
  variable v    type character length 1
  variable byr  type integer
  variable g0  type long
  variable f0  type long
  variable u0  type long
  variable g1  type long
  variable f1  type long
  variable u1  type long
  variable g2  type long
  variable f2  type long
  variable u2  type long
  variable g3  type long
  variable f3  type long
  variable u3  type long
  variable g4  type long
  variable f4  type long
  variable u4  type long
  variable g5  type long
  variable f5  type long
  variable u5  type long
  variable g6  type long
  variable f6  type long
  variable u6  type long
  variable g7  type long
  variable f7  type long
  variable u7  type long
end

output
  top margin 0
  page length 32000
  left margin 0
  right margin 132
  report to "wkpfr.out"
end

read
  wkpf_cmd wkpf_cat wkpf_wkpkg wkpf_yr wkpf_guid wkpf_fund wkpf_unfund
end

sort by wkpf_cmd wkpf_cat wkpf_wkpkg wkpf_yr end

format

before group of wkpf_wkpkg
  let v = ";"
  let byr = wkpf_yr
  let g0 = 0
  let f0 = 0
  let u0 = 0
```

```
  let g1 = 0
  let f1 = 0
  let u1 = 0
  let g2 = 0
  let f2 = 0
  let u2 = 0
  let g3 = 0
  let f3 = 0
  let u3 = 0
  let g4 = 0
  let f4 = 0
  let u4 = 0
  let g5 = 0
  let f5 = 0
  let u5 = 0
  let g6 = 0
  let f6 = 0
  let u6 = 0
  let g7 = 0
  let f7 = 0
  let u7 = 0

after group of wkpf_wkpkg
  print wkpf_cmd,v,wkpf_cat,v,wkpf_wkpkg,v,byr,v,
        g0,v,f0,v,u0,v,g1,v,f1,v,u1,v,
        g2,v,f2,v,u2,v,g3,v,f3,v,u3,v,
        g4,v,f4,v,u4,v,g5,v,f5,v,u5,v,
        g6,v,f6,v,u6,v,g7,v,f7,v,u7,v

before group of wkpf_yr
  if wkpf_yr = base then begin
    let g0 = wkpf_guid
    let f0 = wkpf_fund
    let u0 = wkpf_unfund end
  else if wkpf_yr = base+1 then begin
    let g1 = wkpf_guid
    let f1 = wkpf_fund
    let u1 = wkpf_unfund end
  else if wkpf_yr = base+2 then begin
    let g2 = wkpf_guid
    let f2 = wkpf_fund
    let u2 = wkpf_unfund end
  else if wkpf_yr = base+3 then begin
    let g3 = wkpf_guid
    let f3 = wkpf_fund
    let u3 = wkpf_unfund end
  else if wkpf_yr = base+4 then begin
    let g4 = wkpf_guid
    let f4 = wkpf_fund
    let u4 = wkpf_unfund end
  else if wkpf_yr = base+5 then begin
    let g5 = wkpf_guid
    let f5 = wkpf_fund
    let u5 = wkpf_unfund end
  else if wkpf_yr = base+6 then begin
    let g6 = wkpf_guid
```

```
    let f6 = wkpf_fund
    let u6 = wkpf_unfund end
  else if wkpf_yr = base+7 then begin
    let g7 = wkpf_guid
    let f7 = wkpf_fund
    let u7 = wkpf_unfund
  end

end
```

```
database mamp end

{ modified 2/10/86 to add ma parameter, date-time stamp
  3/6/86 to add page number input
  Modified 5/23/86. changed to mamp database.
  6/13/86 changed header. }

define
  variable junk     type integer
  variable pno      type integer
  param[1] pletter type character length 1
  param[2] code     type integer
  param[3] name     type character length 12
  param[4] cmd      type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "wkpindex.out"
end

read into b
  proj_idx proj_title
  prjctl
  where pcl_code = code and pcl_name = name and pcl_cmd matches cmd
    and (pcl_subcat = "6.3A" or pcl_subcat = "6.3B" or pcl_subcat = "6.4"
     or pcl_subcat = "6.7")
  joining pcl_idx = proj_idx
end

sort by proj_pe proj_no proj_cmd end

format

page header
  print column 47,"*****  U N C L A S S I F I E D  *****"
  skip 2 lines
  print 53 spaces,name clipped," RDTE PROJECT INDEX"
  skip 3 lines
  print 20 spaces,"PE",5 spaces,"PROJ",23 spaces,"TITLE",
        38 spaces,"COMMAND",8 spaces,"PAGE"
  skip 2 lines

before group of proj_no
  let junk = junk+1

before group of proj_cmd
  print 19 spaces,pcl_pe,3 spaces,pcl_proj,
    3 spaces,proj_title,3 spaces,pcl_cmd,3 spaces,"----"

page trailer
```

```
  skip 1 line
  print column 47,"*****  U N C L A S S I F I E D  *****"
  print column 100,date,2 spaces,time
  if pletter="Z" then print 60 spaces,pno
  else print 60 spaces,pletter,"-",pno using "###"
  let pno = pno+1

end
```

```
{ 7/11/86 workpackage to system cross reference.  Show all workpackages in a
  mission area, what systems that they are linked to, what the linkage
  priorities of that system are, and its highest priority pdip.    This will be
  used to determine the optimum linkage between workpackages and systems for
  the pdip submit process.
  7/13/86 changed wkpsys_wc to wkpsys_srf. }

database mamp end

define
  variable pagecount type integer
  variable pno       type integer
  variable newssn    type integer
  param[1] pletter   type character length 1
  param[2] code      type integer
  param[3] name      type character length 12
  param[4] proj      type character length 4
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  right margin 132
  left margin 0
  report to "wkpsys.out"
end

read into d
  pcl_idx
  where pcl_code = code and pcl_name = name
    and pcl_cat = "6.3" and pcl_subcat <> "6.5"
    and pcl_proj matches proj
end

read into b
  proj_idx proj_title
  wkpkg_title wkpkg_task wkpkg_no_idx wkpkg_wkpsys_idx wkpkg_pdip
  joining d.pcl_idx = proj_idx
      and proj_idx = optional wkpkg_proj_idx
end

read into c
  b
  wkpsys_ssn wkpsys_srf
  uniwkp_ssn uniwkp_pdip
  joining b.wkpkg_wkpsys_idx = optional wkpsys_wkpkg_idx
      and b.wkpkg_wkpsys_idx = optional uniwkp_wkpkg_idx
end

read into a
  c
  lrrdp_title lrrdp_pdip
  lrrdppri_pri
  prior1_score
```

```
  joining c.wkpsys_ssn = optional lrrdp_ssn
      and c.wkpsys_ssn = optional priori_ssn_no
      and lrrdp_pdip = optional lrrdppri_pdip
end

read into e
  scl_ssn
  where scl_code = code and scl_name = name
end

read into c
  a
  e
  joining a.wkpsys_ssn = optional e.scl_ssn
end

sort by proj_cmd proj_pe proj_no wkpkg_task wkpkg_no wkpsys_ssn
        lrrdp_pdip lrrdppri_pri end

format

page header
  print column 47,"******  C O N F I D E N T I A L  ******"
  skip 2 lines
  print column 45,"PROJECT/WORKPACKAGE/SYSTEM LINKAGE SUMMARY"
  skip 2 lines
  print 8 spaces,"COMMAND:  ",proj_cmd,
        8 spaces,"PROJECT:  ",proj_pe,2 spaces,proj_no,
        10 spaces,"TITLE:  ",proj_title clipped;
  if pagecount = 1 then print " (continued)" else print " "
  skip 1 line

page trailer
  skip 2 lines
  print "Legend:",column 47,"******  C O N F I D E N T I A L  ******"
  print "* - System Designated in Mission Area",column 100,date,2 spaces,time
  print "^ - Major Designated System for Fiscal Accountability"
  print "v - Workpackage-System Rating Factor"
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of proj_no
  let pagecount = 0
  skip to top of page

before group of wkpkg_no
  skip 1 line
  let pagecount = 1
  print wkpkg_task[1,4],1 space,wkpkg_no,1 space,wkpkg_title,6 spaces,"v*^",
        5 spaces,wkpkg_pdip[1,4],"-",wkpkg_pdip[5,6],
        8 spaces,"PRI",10 spaces,"BDP"

before group of wkpsys_ssn
  if wkpsys_ssn <> " " then begin
    print 5 spaces,wkpsys_ssn,2 spaces,lrrdp_title,1 space,wkpsys_srf;
```

```
    if scl_ssn<>" " then print "*"; else print " ";
    let newssn = 1
  end

before group of lrrdp_pdip
  if wkpsys_ssn <> " " then begin
    if newssn = 1 then let newssn = 0 else print 81 spaces;
    if (uniwkp_ssn=wkpsys_ssn) and (uniwkp_pdip=lrrdp_pdip) then
        print "^"; else print " ";
    print 5 spaces,lrrdp_pdip[1,4],"-",lrrdp_pdip[5,6],5 spaces,lrrdppri_pri
          using "######.##",5 spaces,prior1_score using "######.##"
  end

end
```

```
{ Work Package Appendix }

{ modified 3/6/86 to add mission area parameter and page letter parameter
  and to change system data to come from ssndesc
  modified 5/15/86 to run in MAMP
           5/16/86 added report group (t)
  6/10/86 removed report group parameter.
  6/13/86 added wkpkg_class for classification. }

database mamp end

define
  variable  clchar     type character length 1
  variable  scnt       type integer
  variable  pno        type integer
  param[1]  pletter    type character length 1
  param[2]  code       type integer
  param[3]  name       type character length 12
  param[4]  cmd        type character length 12
end

input
  prompt for pno using "Please enter the starting page number > "
end

output
  left margin 0
  right margin 132
  report to "wrkapdx.out"
end

read into b
  pcl_idx
  where pcl_code = code and pcl_name = name and pcl_cmd matches cmd
    and (pcl_subcat = "6.3A" or pcl_subcat = "6.3B" or pcl_subcat = "6.4"
     or pcl_subcat = "6.7")
end

read into a
  wkpkg_no_idx wkpkg_lab wkpkg_title wkpkg_pe wkpkg_proj wkpkg_task
  wkpkg_wkpsys_idx wkpkg_trans_date wkpkg_class
  wkpfr_f0 wkpfr_f1 wkpfr_f2 wkpfr_f3 wkpfr_f4 wkpfr_f5 wkpfr_f6 wkpfr_f7
  wkpfr_u0 wkpfr_u1 wkpfr_u2 wkpfr_u3 wkpfr_u4 wkpfr_u5 wkpfr_u6 wkpfr_u7
  joining b.pcl_idx = wkpkg_proj_idx
       and wkpkg_no_idx = optional wkpfr_wkpkg_idx
end

read into e
  wks_wkpkg_idx wks_text
  where wks_yr = 1987
  joining a.wkpkg_no_idx = wks_wkpkg_idx
end

read into b
  a
  wkd_text
```

```
  e.wks_text
  flagr
  joining a.wkpkg_no_idx = optional wkd_idx
      and a.wkpkg_no_idx = optional e.wks_wkpkg_idx
      and a.wkpkg_no_idx = optional flagr_wkpkg_idx
end

read into c
  wkpsys hipri_title ssn_da_ma
  joining b.wkpkg_wkpsys_idx = wkpsys_wkpkg_idx
      and wkpsys_ssn = ssn_ssn
      and wkpsys_ssn = hipri_ssn
end

read into a
  b
  c.wkpsys_ssn c.hipri_title c.ssn_da_ma
  joining b.wkpkg_wkpsys_idx = optional c.wkpsys_wkpkg_idx
end

sort by wkpkg_pe wkpkg_proj wkpkg_cmd wkpkg_task wkpkg_no wkpsys_ssn end

format

page header
  let clchar = " "
  if wkpkg_class="S" then begin
    let clchar = "S"
    print column 52,"******  S E C R E T  ******"
  end
  else if wkpkg_class="C" then begin
    let clchar = "C"
    print column 47,"******  C O N F I D E N T I A L  ******"
  end
  else print column 47,"******  U N C L A S S I F I E D  ******"
  skip 2 lines
  print column 45,"WORKPACKAGE SUMMARY DATA FOR ",wkpkg_cmd clipped;
  if (wkpkg_lab<>" " and wkpkg_lab<>wkpkg_cmd) then print " / ",wkpkg_lab
  else print ""
  skip 2 lines

page trailer
  if clchar = "S" then print column 52,"******  S E C R E T  ******"
  else if clchar = "C" then print column 47,"******  C O N F I D E N T I A L  ******"
  else print column 47,"******  U N C L A S S I F I E D  ******"
  print column 100,date,2 spaces,time
  if pletter="Z" then print column 60,pno
  else print column 60,pletter,"-",pno using "###"
  let pno = pno+1

before group of wkpkg_no
  skip to top of page
  let scnt = 0
  print "PE/Project/Task: ",wkpkg_pe,1 space,wkpkg_proj,1 space,
        wkpkg_task clipped," : WP ",wkpkg_no,column 67,"Title: ",wkpkg_title
  print "Funded by: ",name;
```

```
  print column 30,"Transition Date: ",wkpkg_trans_date
  skip 3 lines
  print "             FY86  FY87  FY88  FY89  FY90  FY91  FY92  FY93";
  print column 90,"Description"
  print "             ----  ----  ----  ----  ----  ----  ----  ----"
  print "Funded:    ",wkpfr_f0 using "######",
                      wkpfr_f1 using "######",
                      wkpfr_f2 using "######",
                      wkpfr_f3 using "######",
                      wkpfr_f4 using "######",
                      wkpfr_f5 using "######",
                      wkpfr_f6 using "######",
                      wkpfr_f7 using "######";
  print column 72,wkd_text[1,60]
  print "Unfunded:  ",wkpfr_u0 using "######",
                      wkpfr_u1 using "######",
                      wkpfr_u2 using "######",
                      wkpfr_u3 using "######",
                      wkpfr_u4 using "######",
                      wkpfr_u5 using "######",
                      wkpfr_u6 using "######",
                      wkpfr_u7 using "######";
  print column 72, wkd_text[61,120]
  print column 72, wkd_text[121,180]
  print "Flags",
  print column 72, wkd_text[181,240]
  if flagr1_n<>" " then begin
    print flagr1_n,5 spaces;
    print flagr1_0 using "######",flagr1_1 using "######",
          flagr1_2 using "######",flagr1_3 using "######",
          flagr1_4 using "######",flagr1_5 using "######",
          flagr1_6 using "######",flagr1_7 using "######";
  end
  print column 72, wkd_text[241,300]
  if flagr2_n<>" " then begin
    print flagr2_n,5 spaces;
    print flagr2_0 using "######",flagr2_1 using "######",
          flagr2_2 using "######",flagr2_3 using "######",
          flagr2_4 using "######",flagr2_5 using "######",
          flagr2_6 using "######",flagr2_7 using "######";
  end
  print column 72, wkd_text[301,360]
  if flagr3_n<>" " then begin
    print flagr3_n,5 spaces;
    print flagr3_0 using "######",flagr3_1 using "######",
          flagr3_2 using "######",flagr3_3 using "######",
          flagr3_4 using "######",flagr3_5 using "######",
          flagr3_6 using "######",flagr3_7 using "######";
  end
  print column 72, wkd_text[361,420]
  if flagr4_n<>" " then begin
    print flagr4_n,5 spaces;
    print flagr4_0 using "######",flagr4_1 using "######",
          flagr4_2 using "######",flagr4_3 using "######",
          flagr4_4 using "######",flagr4_5 using "######",
          flagr4_6 using "######",flagr4_7 using "######";
```

```
    end
    print column 72, wkd_text[421,480]
    if flagr5_n<>" " then begin
      print flagr5_n,5 spaces;
      print flagr5_0 using "######",flagr5_1 using "######",
            flagr5_2 using "######",flagr5_3 using "######",
            flagr5_4 using "######",flagr5_5 using "######",
            flagr5_6 using "######",flagr5_7 using "######";
    end
    print column 72, wkd_text[481,540]
    if flagr6_n<>" " then begin
      print flagr6_n,5 spaces;
      print flagr6_0 using "######",flagr6_1 using "######",
            flagr6_2 using "######",flagr6_3 using "######",
            flagr6_4 using "######",flagr6_5 using "######",
            flagr6_6 using "######",flagr6_7 using "######";
    end
    print column 72, wkd_text[541,600]
    skip 3 lines
    print column 10,"Systems Supported (SSN/TITLE/DA MA)";
    print column 90,"1987 Workplan"
    skip 1 line

  before group of wkpsys_ssn
    if scnt<15 then print wkpsys_ssn,2 spaces,hipri_title[1,50],1 space,
          ssn_da_ma,column 72;
    let scnt = scnt+1
    if scnt<11 then begin
      if scnt = 1 then print wks_text[1,60]
      else if scnt = 2 then print wks_text[61,120]
      else if scnt = 3 then print wks_text[121,180]
      else if scnt = 4 then print wks_text[181,240]
      else if scnt = 5 then print wks_text[241,300]
      else if scnt = 6 then print wks_text[301,360]
      else if scnt = 7 then print wks_text[361,420]
      else if scnt = 8 then print wks_text[421,480]
      else if scnt = 9 then print wks_text[481,540]
      else if scnt = 10 then print wks_text[541,600]
    end
    else print ""

  after group of wkpkg_no
    if scnt=0 then begin
      print column 72,wks_text[1,60]
      print column 72,wks_text[61,120]
      print column 72,wks_text[121,180]
      print column 72,wks_text[181,240]
      print column 72,wks_text[241,300]
      print column 72,wks_text[301,360]
      print column 72,wks_text[361,420]
      print column 72,wks_text[421,480]
      print column 72,wks_text[481,540]
      print column 72,wks_text[541,600]
    end
    else if scnt=1 then begin
      print column 72,wks_text[61,120]
```

```
    print column 72,wks_text[121,180]
    print column 72,wks_text[181,240]
    print column 72,wks_text[241,300]
    print column 72,wks_text[301,360]
    print column 72,wks_text[361,420]
    print column 72,wks_text[421,480]
    print column 72,wks_text[481,540]
    print column 72,wks_text[541,600]
  end
  else if scnt=2 then begin
    print column 72,wks_text[121,180]
    print column 72,wks_text[181,240]
    print column 72,wks_text[241,300]
    print column 72,wks_text[301,360]
    print column 72,wks_text[361,420]
    print column 72,wks_text[421,480]
    print column 72,wks_text[481,540]
    print column 72,wks_text[541,600]
  end
  else if scnt=3 then begin
    print column 72,wks_text[181,240]
    print column 72,wks_text[241,300]
    print column 72,wks_text[301,360]
    print column 72,wks_text[361,420]
    print column 72,wks_text[421,480]
    print column 72,wks_text[481,540]
    print column 72,wks_text[541,600]
  end
  else if scnt=4 then begin
    print column 72,wks_text[241,300]
    print column 72,wks_text[301,360]
    print column 72,wks_text[361,420]
    print column 72,wks_text[421,480]
    print column 72,wks_text[481,540]
    print column 72,wks_text[541,600]
  end
  else if scnt=5 then begin
    print column 72,wks_text[301,360]
    print column 72,wks_text[361,420]
    print column 72,wks_text[421,480]
    print column 72,wks_text[481,540]
    print column 72,wks_text[541,600]
  end
  else if scnt=6 then begin
    print column 72,wks_text[361,420]
    print column 72,wks_text[421,480]
    print column 72,wks_text[481,540]
    print column 72,wks_text[541,600]
  end
  else if scnt=7 then begin
    print column 72,wks_text[421,480]
    print column 72,wks_text[481,540]
    print column 72,wks_text[541,600]
  end
  else if scnt=8 then begin
    print column 72,wks_text[481,540]
```

```
    print column 72,wks_text[541,600]
  end
  else if scnt=9 then begin
    print column 72,wks_text[541,600]
  end

end
```

```
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{5/16/1986: This report generates input for the flagr database file
 which is used in the wrkapdx report.}

database mamp end

define
  param[1] base type integer
  variable v   type character length 1
  variable cnt type integer
  variable f0  type long
  variable f1  type long
  variable f2  type long
  variable f3  type long
  variable f4  type long
  variable f5  type long
  variable f6  type long
  variable f7  type long
end

output
  top margin 0
  page length 32000
  left margin 0
  report to "xferflag.out"
end

read into b
  unique pcl_idx
end

read into a
  flag_cmd flag_cat flag_wkpkg flag_name flag_yr flag_fund
  joining b.pcl_idx = wkpkg_proj_idx
    and wkpkg_no_idx = flag_wkpkg_idx
end

sort by flag_cmd flag_cat flag_wkpkg flag_name flag_yr end

format

before group of flag_wkpkg
  let cnt=0
  let v = "|"
  print flag_cmd,v,flag_cat,v,flag_wkpkg,v;

before group of flag_name
  let f0 = 0
  let f1 = 0
  let f2 = 0
  let f3 = 0
  let f4 = 0
  let f5 = 0
  let f6 = 0
  let f7 = 0

after group of flag_name
```
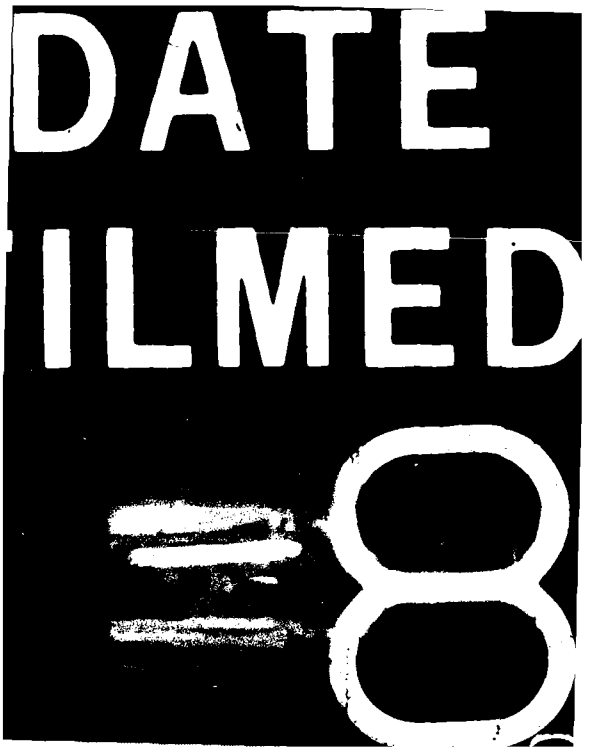

```
  let cnt = cnt+1
  if cnt<7 then print flag_name,v,f0,v,f1,v,f2,v,f3,v,f4,v,f5,v,f6,v,f7,v;

after group of flag_wkpkg
  while cnt<6 do begin
    print "    :0:0:0:0:0:0:0:";
    let cnt=cnt+1
  end
  print ""

before group of flag_yr
  if flag_yr = base then let f0 = flag_fund
  else if flag_yr = base+1 then let f1 = flag_fund
  else if flag_yr = base+2 then let f2 = flag_fund
  else if flag_yr = base+3 then let f3 = flag_fund
  else if flag_yr = base+4 then let f4 = flag_fund
  else if flag_yr = base+5 then let f5 = flag_fund
  else if flag_yr = base+6 then let f6 = flag_fund
  else if flag_yr = base+7 then let f7 = flag_fund

end
```


DATE
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8